



No. 34

23 AUGUST 2003



UNITED STATES OF AMERICA

NOTICE TO MARINERS



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National Imagery and Mapping Agency

Prepared Jointly with the
National Ocean Service and U.S. Coast Guard

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Visit the Maritime Safety Information Division website at
<http://pollux.nss.nima.mil/>



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IMPORTANT INFORMATION

The Notice to Mariners is published by the National Imagery and Mapping Agency (NIMA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NIMA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other products produced by the National Imagery and Mapping Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Imagery and Mapping Agency (NIMA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Homeland Security), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NIMA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-5006	287-5006	301-227-5745
World-Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nima.mil>). For your convenience NIMA provides three e-mail addresses. For information affecting Notice to Mariners use NavNotices@nima.mil, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nima.mil, for information concerning the Maritime Safety Information Website, use webmaster_nss@nima.mil.

Mariners are requested to notify NIMA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated.

Cover Photo: The **USS KEARSARGE (LHD-3)** is the third in a series of seven *WASP* class multipurpose amphibious assault ships built by Ingalls Shipbuilding in Pascagoula, MS. **KEARSARGE** is the fourth ship to bear this name, with an historical lineage that dates back to the Civil War. Hers is one of only two names that Congress has mandated the US Navy will always have a ship named. Her principal mission is to embark, deploy, land and support a Marine landing force. The ship is specifically designed to accommodate Air Cushion Landing Craft (LCAC) for fast troop movement over the beach, and AV-8B Harrier aircraft to provide close-in air support for the assault force. **KEARSARGE** can also carry as many as 26 Navy/USMC helicopters for troop movement, air support and Search and Rescue Operations. The ship's extensive medical facilities include six fully-equipped operating rooms and a 600-bed hospital for combat support, as well as for humanitarian missions during peacetime. Commissioned 16 October 1993, the **KEARSARGE** is 844 feet in length, has a beam of 110 feet, a draft of 28 feet and can accommodate a crew of 1,009 sailors and 73 officers. During her recent deployment in support of Operation Enduring/Iraqi Freedom, the **KEARSARGE** served as the flagship for Commander, Amphibious Task Force EAST, and carried more than 1,700 Marines from the Second Marine Expeditionary Brigade to the Northern Arabian Gulf. The homeport of the **KEARSARGE** is Norfolk, Virginia.

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 34/03

HYDROGRAM

**National Imagery and Mapping Agency
Bethesda, MD 20816-5003**

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

23 August 2003

NEW EDITION OF COAST PILOT

U.S. COAST PILOT 3, ATLANTIC COAST: SANDY HOOK, NEW JERSEY TO CAPE HENRY, VIRGINIA, THIRTY-SIXTH EDITION 2003, IS READY FOR ISSUE. SEE SECTIONS II AND III.

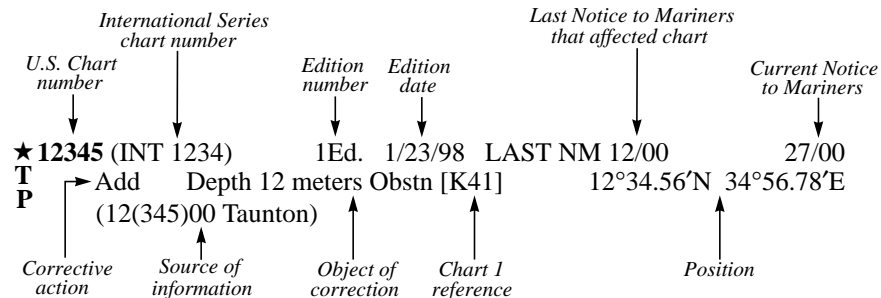
NEW EDITION OF COAST PILOT

U.S. COAST PILOT 4, ATLANTIC COAST, CAPE HENRY, VIRGINIA TO KEY WEST, FLORIDA, THIRTY-FIFTH EDITION, 2003, IS READY FOR ISSUE. SEE SECTIONS II AND III.

EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

Section I-1 contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

★ indicates that it is based upon original U.S. source information.

T indicates that it is temporary in nature.

P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.

The letter **M** immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter **M** is not a part of the chart number.

The letter **N** preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.

Courses and bearings are given in degrees true.

Light sectors are expressed in degrees true from the vessel TOWARD the light.

The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.

The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.

Section I-2* contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.

Section I-3 lists all NIMA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

Section II-1 is a weekly listing of corrections to the NIMA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

Section II-2* contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

Section II-3* lists weekly updates to the USCG Light Lists.

Section II-4* lists weekly updates to the NIMA List of Lights.

Section II-5 lists all NIMA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

Section III-1 lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

Section III-2 contains miscellaneous information of particular interest to the maritime community.

*The left-hand pages of these sections are intentionally blank.

SECTION I CHART CORRECTIONS

NM 34/03

<p>50 (INT 50) 6Ed. 6/03 LAST NM 32/03 34/03 Relocate Superbuoy ODAS "46066" from 52°38'N 155°00'W to 53°15'N 155°09'W</p> <p>Add Superbuoy ODAS [Q58] "46084" 56°35'N 136°10'W Superbuoy ODAS [Q58] "46082" 59°37'N 143°40'W Superbuoy ODAS [Q58] "46080" 58°00'N 150°00'W (26/03 CG17)</p>	<p>Superbuoy ODAS [Q58] "46082" Y, Fl(4) Y 20s 59°37'N 143°40'W Superbuoy ODAS [Q58] "46083" Y, Fl(4) Y 20s 58°15'N 138°00'W Superbuoy ODAS [Q58] "46084" Y, Fl(4) Y 20s 56°35'N 136°10'W (26/03 CG17)</p>
<p>53 (INT 53) 2Ed. 8/6/94 LAST NM 17/02 34/03 Add Superbuoy ODAS [Q58] "46035" Y, Fl(4) Y 20s 57°03'N 177°35'W Superbuoy ODAS [Q58] "46066" Y, Fl(4) Y 20s 53°15'N 155°09'W Superbuoy ODAS [Q58] "46072" Y, Fl(4) Y 20s 52°02'N 172°05'W (26/03 CG17)</p>	<p>521 11Ed. 7/18/81 LAST NM 17/02 34/03 Add Superbuoy ODAS [Q58] "46035" Y, Fl(4) Y 20s 57°03'N 177°35'W Superbuoy ODAS [Q58] "46072" Y, Fl(4) Y 20s 52°02'N 172°05'W (26/03 CG17)</p>
<p>70 (INT 70) 4Ed. 9/21/96 LAST NM 7/03 34/03 Delete RC (Aero) 12°09'S 96°49'E (BA RA)</p>	<p>523 8Ed. 7/6/96 LAST NM 17/02 34/03 Add Superbuoy ODAS [Q58] "46035" Y, Fl(4) Y 20s 57°03'N 177°35'W Superbuoy ODAS [Q58] "46066" Y, Fl(4) Y 20s 53°15'N 155°09'W Superbuoy ODAS [Q58] "46072" Y, Fl(4) Y 20s 52°02'N 172°05'W (26/03 CG17)</p>
<p>71 (INT 71) 4Ed. 8/31/91 LAST NM 7/03 34/03 Delete RC (Aero) 12°09'S 96°49'E (BA RA)</p>	<p>524 12Ed. 1/27/96 LAST NM 47/02 34/03 Delete R Bn (AERO) 12°09'S 96°49'E (BA RA)</p>
<p>73 (INT 73) 4Ed. 2/3/96 LAST NM 8/01 34/03 Delete R Bn (Aero) 12°09'S 96°49'E (BA RA)</p>	<p>530 30Ed. 3/23/02 LAST NM 24/03 34/03 Relocate Superbuoy ODAS "46066" from 52°38'N 155°00'W to 53°15'N 155°09'W</p>
<p>108 (INT 403) 9Ed. 1/8/94 LAST NM 35/02 34/03 Delete R Bn at light 32°01'N 80°50'W (26/03 CG7)</p>	<p>Add Superbuoy ODAS [Q58] "46035" Y, Fl(4) Y 20s 57°03'N 177°35'W Superbuoy ODAS [Q58] "46072" Y, Fl(4) Y 20s 52°02'N 172°05'W Superbuoy ODAS [Q58] "46080" Y, Fl(4) Y 20s 58°00'N 150°00'W Superbuoy ODAS [Q58] "46082" Y, Fl(4) Y 20s 59°37'N 143°40'W Superbuoy ODAS [Q58] "46084" Y, Fl(4) Y 20s 56°35'N 136°10'W (26/03 CG17)</p>
<p>124 10Ed. 6/15/96 LAST NM 18/03 34/03 Delete R Bn 32°00'N 80°50'W (26/03 CG7)</p>	<p>★531 21Ed. 2/2/02 LAST NM 32/03 34/03 Relocate Superbuoy ODAS "46066" from 52°38'N 155°00'W to 53°15'N 155°09'W</p>
<p>400 (INT 400) 3Ed. 12/25/93 LAST NM 33/03 34/03 Delete R Bn at light 32°00'N 80°50'W</p> <p>Add Wreck [K29] (PA) 28°46'N 92°22'W (26/03 CG7; 28/03 CG8)</p>	<p>Add Superbuoy ODAS [Q58] "46061" Y, Fl(4) Y 20s 60°13'N 145°49'W Superbuoy ODAS [Q58] "46080" Y, Fl(4) Y 20s 58°00'N 150°00'W Superbuoy ODAS [Q58] "46082" Y, Fl(4) Y 20s 59°37'N 143°40'W Superbuoy ODAS [Q58] "46084" Y, Fl(4) Y 20s 56°35'N 136°10'W (26/03 CG17)</p>
<p>401 (INT 401) 5Ed. 6/15/91 LAST NM 33/03 34/03 Add Wreck [K29] (PA) 28°46'N 92°22'W (28/03 CG8)</p>	<p>532 17Ed. 2/3/96 LAST NM 38/02 34/03 Relocate Superbuoy ODAS "46066" from 52°39'N 155°00'W to 53°15'N 155°09'W</p> <p>Add Superbuoy ODAS [Q58] "46035" Y, Fl(4) Y 20s 57°03'N 177°35'W (26/03 CG17)</p>
<p>500 (INT 810) 8Ed. 6/03 LAST NM 32/03 34/03 Relocate Superbuoy ODAS "46066" from 52°38'N 155°00'W to 53°15'N 155°09'W</p> <p>Add Superbuoy ODAS [Q58] "46061" Y, Fl(4) Y 20s 60°13'N 145°49'W Superbuoy ODAS [Q58] "46080" Y, Fl(4) Y 20s 58°00'N 150°00'W Superbuoy ODAS [Q58] "46082" Y, Fl(4) Y 20s 59°37'N 143°40'W Superbuoy ODAS [Q58] "46084" Y, Fl(4) Y 20s 56°35'N 136°10'W (26/03 CG17)</p>	<p>707 (INT 707) 2Ed. 11/11/95 LAST NM 8/01 34/03 Delete Light 12°11'S 96°49'E R Bn (AERO) 12°09'S 96°49'E (14(398)00 Wollongong; BA RA)</p>
<p>513 (INT 813) 6Ed. 2/23/91 LAST NM 38/02 34/03 Relocate Superbuoy ODAS "46072" from 52°02'N 172°04'W to 52°02'N 172°05'W (See 38/02-513)</p> <p>Add Superbuoy ODAS [Q58] "46035" Y, Fl(4) Y 20s 57°03'N 177°35'W (26/03 CG17)</p>	<p>708 (INT 708) 3Ed. 12/30/95 LAST NM 20/99 34/03 Delete Light 12°12'S 96°50'E RC (Aero) 12°09'S 96°49'E (14(398)00 Wollongong; BA RA)</p>
<p>★520 127Ed. 8/22/81 LAST NM 38/02 34/03 Add Superbuoy ODAS [Q58] "46061" Y, Fl(4) Y 20s 60°13'N 145°49'W Superbuoy ODAS [Q58] "46001" Y, Fl(4) Y 20s 56°18'N 148°10'W Superbuoy ODAS [Q58] "46066" Y, Fl(4) Y 20s 53°15'N 155°09'W Superbuoy ODAS [Q58] "46080" Y, Fl(4) Y 20s 58°00'N 150°00'W</p>	<p>1115A Ed. 10/02 LAST NM 30/03 34/03 Delete Platform 29°45.6'N 88°05.7'W Platform 29°53.4'N 88°25.1'W (28/03 CG8)</p>

1116A	Ed. 11/02	LAST NM 32/03	34/03
Delete	Platform	29°02.2'N 92°57.5'W	
	Platform	29°01.1'N 92°55.2'W	
	Platform	28°39.7'N 91°55.9'W	
Substitute	Platform [L10] for submerged well (cov 47fms) and buoy	27°57.9'N 94°13.4'W	
	Platform [L10] for submerged well (cov 20fms)	28°26.0'N 90°34.0'W	
	(See 9/03-1116A)		
Add	Platform [L10]	28°00.5'N 94°17.3'W	
	Platform [L10]	27°59.5'N 93°34.1'W	
	Platform [L10]	28°53.5'N 93°14.9'W	
	Wreck [K29] (PA)	28°45.9'N 92°21.7'W	
	Note: Platform close NW remains		
	Buoy Y (Priv)	28°17.9'N 91°43.0'W	
	Buoy Y (Priv)	28°26.4'N 91°28.8'W	
	Platform [L10]	28°34.2'N 90°10.4'W	
	(27-29/03 CG8)		
1117A	Ed. 4/03	LAST NM 32/03	34/03
Substitute	Platform [L10] for buoy	27°11.2'N 96°48.3'W	
	Platform [L10] for submerged well (cov 47fms) and buoy	27°57.9'N 94°13.2'W	
Add	Platform [L10]	28°00.5'N 94°17.3'W	
	(27, 29/03 CG8)		
11004	7Ed. 10/29/94	LAST NM 32/03	34/03
Substitute	Platform [L10] for submerged well (cov 85m)	27°57.9'N 94°13.3'W	
	(See 42/02-11004)		
Add	Platform [L10]	27°11.2'N 96°48.3'W	
	Platform [L10]	27°59.5'N 93°34.1'W	
	Wreck [K29] (PA)	28°45.9'N 92°21.7'W	
	(27-29/03 CG8)		
11013	44Ed. 1/19/02	LAST NM 31/03	34/03
Add	Buoy (mooring) "SSRNM", Q [Q41] (Navy)	24°54.0'N 77°49.0'W	
	(NTM0004/2003)		
★11300	39Ed. 4/03	LAST NM 32/03	34/03
Substitute	Platform [L10] for buoy	27°11.2'N 96°48.3'W	
	Platform [L10] for submerged well (cov 47fms) and buoy	27°57.9'N 94°13.2'W	
Add	Platform [L10]	28°00.5'N 94°17.3'W	
	(27, 29/03 CG8)		
★11316	39Ed. 3/03	LAST NM 29/03	34/03
Delete	Platform	28°25'30"N 95°54'23"W	
	(Supersedes 22/03-11316)		
Add	Ra ref to light "26"	28°28'05"N 96°22'59"W	
	(28/03 CG8)		
★11317	29Ed. 2/16/02	LAST NM 30/03	34/03
Add	Ra ref to light "26"	28°28'06"N 96°22'58"W	
	(28/03 CG8)		
11319	31Ed. 2/03	LAST NM 30/03	34/03
	(Side B)		
Add	Ra ref to light "26"	28°28'06.6"N 96°22'58.8"W	
	(28/03 CG8)		
★11321	29Ed. 12/15/01	LAST NM 31/03	34/03
Change	Light to "7" QG 17ft 5M	28°55'42"N 95°17'30"W	
Add	Platform [L10]	28°34'36"N 94°58'36"W	
	(28, 29/03 CG8)		
11322	28Ed. 3/03	LAST NM 30/03	34/03
	(Side B)		
Change	Light to "7" QG 17ft 5M	28°55'43"N 95°17'28"W	
	(28/03 CG8)		
★11323	59Ed. 3/30/02	LAST NM 31/03	34/03
Delete	Platform	29°01'31"N 94°27'25"W	
	(29/03 CG8)		
★11330	14Ed. 11/02	LAST NM 31/03	34/03
Delete	Platform	29°02.2'N 92°57.5'W	
	Platform	29°01.1'N 92°55.2'W	
Add	Platform [L10]	28°53.5'N 93°14.9'W	
	(28, 29/03 CG8)		
★11331	18Ed. 8/25/01	LAST NM 30/03	34/03
	(Side A)		
Relocate	Range light, front from	29°49'33.2"N 93°57'44.0"W to	
	Note: Range bearing unchanged	29°49'34.3"N 93°57'43.5"W	
	(28/03 CG8)		
★11332	28Ed. 8/02	LAST NM 31/03	34/03
Add	Platform [L10]	29°26'17"N 93°52'26"W	
	Platform [L10]	29°14'25"N 93°47'40"W	
	(27, 28/03 CG8)		
★11340	67Ed. 11/02	LAST NM 32/03	34/03
Delete	Platform	29°02.2'N 92°57.5'W	
	Platform	29°01.1'N 92°55.2'W	
	Platform	28°39.7'N 91°55.9'W	
Substitute	Platform [L10] for submerged well (cov 47fms) and buoy	27°57.9'N 94°13.4'W	
	Platform [L10] for submerged well (cov 20fms)	28°26.0'N 90°34.0'W	
	(See 9/03-11340)		
Add	Platform [L10]	28°00.5'N 94°17.3'W	
	Platform [L10]	27°59.5'N 93°34.1'W	
	Platform [L10]	28°53.5'N 93°14.9'W	
	Wreck [K29] (PA)	28°45.9'N 92°21.7'W	
	Note: Platform close NW remains		
	Buoy Y (Priv)	28°17.9'N 91°43.0'W	
	Buoy Y (Priv)	28°26.4'N 91°28.8'W	
	Platform [L10]	28°34.2'N 90°10.4'W	
	(27-29/03 CG8)		
★11341	39Ed. 2/03	LAST NM 31/03	34/03
Add	Platform [L10]	29°36'24"N 93°27'07"W	
	Platform [L10]	29°26'17"N 93°52'26"W	
	(27, 28/03 CG8)		
★11342	52Ed. 5/03	LAST NM 31/03	34/03
Relocate	Range light, front from	29°52'06.5"N 93°55'48.8"W to	
	Note: Range bearing unchanged	29°52'05.8"N 93°55'49.0"W	
	Range light, rear from	29°57'52.0"N 93°52'17.0"W to	
	Note: Range bearing unchanged	29°57'51.8"N 93°52'18.0"W	
Change	Height of range light, rear to 53ft	29°55'45.8"N 93°52'13.0"W	
	(28/03 CG8)		
★11343	36Ed. 9/15/01	LAST NM 30/03	34/03
Relocate	Range light, rear from	29°57'52.0"N 93°52'16.8"W to	
	Note: Range bearing unchanged	29°57'51.8"N 93°52'18.0"W	

(continued on next page)

SECTION I

NM 34/03

11343	(Continued)			
	Range light, rear from			
	30°00'20.2"N 93°58'17.3"W to	30°00'24.4"N 93°58'31.8"W		
	Note: Range bearing unchanged			
	(See 40/02-11343)			
	(28/03 CG8)			
★ 11344	35Ed. 12/02 LAST NM 31/03		34/03	
	Delete Platform	29°17'18"N 92°59'52"W		
	Add Platform [L10]	29°24'05"N 92°57'53"W		
	(29/03 CG8)			
★ 11351	38Ed. 3/03 LAST NM 31/03		34/03	
	Delete Platform	28°58'24"N 91°37'42"W		
	Platform	29°01'56"N 91°27'22"W		
	Buoy "20"	29°32'30"N 91°16'01"W		
	Relocate Buoy "B" from 29°32'25"N 91°15'48"W to	29°32'29"N 91°16'02"W		
	Add Platform [L10]	29°16'48"N 91°42'32"W		
	Buoy "22" R, nun	29°32'29"N 91°15'27"W		
	(27-29/03 CG8)			
11352	36Ed. 11/02 LAST NM 31/03		34/03	
	Delete Buoy "20"	29°32.5'N 91°16.1'W		
	Relocate Buoy "B" from 29°32.4'N 91°15.8'W to	29°32.5'N 91°16.0'W		
	(See 7/03-11352)			
	Add Buoy "22" R, nun	29°32.5'N 91°15.5'W		
	Light 2 Fl 2.5s (Priv)	29°16.3'N 89°56.7'W		
	(28/03 CG8)			
★ 11353	2Ed. 3/16/02 LAST NM 31/03		34/03	
	Delete Platform	29°24'22"N 89°03'03"W		
	(28/03 CG8)			
11354	24Ed. 4/03 LAST NM 31/03		34/03	
	(Side A)			
	Delete Buoy "20"	29°32'29"N 91°16'01"W		
	Relocate Buoy "B" from 29°32'24"N 91°15'46"W to	29°32'29"N 91°16'02"W		
	Add Buoy "22" R, nun	29°32'29"N 91°15'27"W		
	(28/03 CG8)			
★ 11356	34Ed. 8/4/01 LAST NM 30/03		34/03	
	Delete Platform	29°01'57"N 91°27'19"W		
	Add Platform [L10]	28°43'01"N 91°02'55"W		
	(29/03 CG8)			
★ 11357	35Ed. 6/02 LAST NM 32/03		34/03	
	Add Platform [L10]	29°02'16"N 90°30'36"W		
	(27/03 CG8)			
★ 11358	51Ed. 3/30/02 LAST NM 32/03		34/03	
	Delete Platform	29°01'44"N 90°10'59"W		
	Platform	29°02'41"N 90°09'54"W		
	Platform	29°02'52"N 90°08'26"W		
	Platform	29°04'03"N 90°09'41"W		
	Platform	29°04'22"N 90°09'42"W		
	Platform	29°04'36"N 90°09'26"W		
	Platform	29°05'42"N 90°09'18"W		
	Platform	29°04'17"N 90°07'37"W		
	Platform	29°04'20"N 90°07'27"W		
	Platform	29°04'56"N 90°06'48"W		
	Add Light "B" Fl 2.5s 10ft (Priv)	29°16'19"N 89°56'38"W		
	Light "C" Fl 2.5s 10ft (Priv)	29°16'19"N 89°56'42"W		
	(28/03 CG8)			
★ 11360	40Ed. 10/02 LAST NM 30/03		34/03	
	Delete Platform	29°45.6'N 88°05.7'W		
	Platform	29°53.4'N 88°25.1'W		
	(28/03 CG8)			
11362	4Ed. 6/10/00 LAST NM N30/03		N34/03	
	Delete Platform	29°45.6'N 88°05.7'W		
	Platform	29°53.4'N 88°25.1'W		
	(28/03 CG8)			
11363	38Ed. 3/30/02 LAST NM 27/03		34/03	
	Delete Platform	29°24'22"N 89°03'02"W		
	(28/03 CG8)			
11364	39Ed. 11/02 LAST NM 33/03		34/03	
	Delete Light	29°57'14"N 90°02'13"W		
	Relocate Light "81" from 29°52'12"N 89°54'54"W to	29°52'08"N 89°54'50"W		
	Substitute Light "74" Fl R 4s 17ft 4M Ra Ref for buoy	29°43'46"N 89°27'34"W		
	(27-29/03 CG8)			
11365	17Ed. 10/02 LAST NM 32/03		34/03	
	(Side A)			
	Add Light "B" Fl 2.5s 10ft (Priv)	29°16'19.3"N 89°56'38.1"W		
	Light "C" Fl 2.5s 10ft (Priv)	29°16'18.7"N 89°56'42.3"W		
	(Side B)			
	Delete Platform	29°04'20"N 90°09'43"W		
	Platform	29°04'35"N 90°09'26"W		
	Platform	29°05'42"N 90°09'19"W		
	(28/03 CG8)			
★ 11366	7Ed. 9/02 LAST NM 30/03		34/03	
	Delete Platform	29°53.4'N 88°25.1'W		
	Add Platform [L10]	28°34.2'N 90°10.4'W		
	(28/03 CG8)			
11367	31Ed. 5/26/01 LAST NM 33/03		34/03	
	(Side B)			
	Delete Light	29°57'16"N 90°02'13"W		
	(28/03 CG8)			
★ 11368	22Ed. 7/02 LAST NM 33/03		34/03	
	Delete Light	29°57'14.7"N 90°02'13.7"W		
	Relocate "WESTWEGO TRAFFIC LIGHT" from	29°54'51.5"N 90°08'23.3"W to		
		29°54'51.5"N 90°08'23.0"W		
	(28, 29/03 CG8)			
★ 11370	23Ed. 9/22/01 LAST NM 33/03		34/03	
	(Side A)			
	Relocate Light "119" from 29°57'11.5"N 90°17'53.0"W	29°57'11.0"N 90°17'51.6"W		
	to	29°57'11.0"N 90°17'51.6"W		
	Light "133" from 30°02'55.2"N 90°29'25.7"W	30°02'54.0"N 90°29'25.5"W		
	to	30°02'54.0"N 90°29'25.5"W		
	Light "134" from 30°03'23.2"N 90°29'12.4"W	30°03'18.9"N 90°29'10.6"W		
	to	30°03'18.9"N 90°29'10.6"W		
	Light "147" from 30°01'10.2"N 90°42'24.2"W	30°01'06.9"N 90°42'27.1"W		
	to	30°01'06.9"N 90°42'27.1"W		
	Light "155" from 29°59'06.7"N 90°48'25.2"W	29°59'05.4"N 90°48'25.8"W		
	to	29°59'05.4"N 90°48'25.8"W		
	(Side B)			
	Relocate Beacon "(231.0)" from	30°27'50.6"N 91°11'31.0"W to		
		30°27'53.3"N 91°11'31.3"W		
	(29/03 CG8)			
★ 11373	42Ed. 6/02 LAST NM 29/03		34/03	
	Add Dangerous wreck [K28] (PA)	30°16'19"N 88°18'30"W		
	(29/03 CG8)			
11374	31Ed. 8/02 LAST NM 29/03		34/03	
	(Side A)			
	Add Dangerous wreck [K28] (PA)	30°16'19"N 88°18'30"W		
	(Side B)			
	Add Dangerous wreck [K28] (PA)	30°16'19"N 88°18'30"W		
	(29/03 CG8)			

★11388 16Ed. 12/23/95 LAST NM 24/03 34/03 Add Legend "Wks" 30°22'26"N 86°30'15"W (28/03 CG8)	11523 21Ed. 2/2/02 LAST NM 28/03 34/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)
★11402 21Ed. 6/03 LAST NM 30/03 34/03 (Side B) Relocate Light from 29°37'57.7"N 85°05'52.0"W to 29°37'56.7"N 85°05'50.3"W (29/03 CG8)	★11524 46Ed. 12/02 LAST NM 28/03 34/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)
11460 38Ed. 6/02 LAST NM 31/03 34/03 Delete Depth 7 1/4 fathoms 28°20.7'N 80°25.5'W Depth 7 1/4 fathoms 28°21.2'N 80°24.2'W Add Depth 6 1/4 fathoms 28°20.9'N 80°24.4'W (NOS)	12222 44Ed. 5/03 LAST NM 33/03 34/03 Relocate Light "8" from 36°55'19"N 76°10'41"W to 36°55'22"N 76°10'42"W (26/03 CG5)
11476 19Ed. 5/12/01 LAST NM 6/03 34/03 Delete Depth 44 feet 28°21'06"N 80°25'16"W Add Depth 37 feet 28°21'03"N 80°25'10"W Depth 37 feet 28°20'56"N 80°24'24"W (NOS)	12230 60Ed. 5/03 LAST NM 30/03 34/03 Delete Light "2" 38°05'37"N 76°24'16"W Add Light "2S" QR 15ft 5M 38°05'31"N 76°24'15"W (26/03 CG5)
11479 4Ed. 9/27/97 LAST NM N31/03 N34/03 Delete Depth 7 fathoms 1 foot 28°21.0'N 80°25.5'W Add Depth 6 fathoms 1 foot 28°20.9'N 80°24.4'W (NOS)	★12233 35Ed. 11/02 LAST NM 14/03 34/03 Relocate Light "2" from 38°02'28"N 76°30'02"W to 38°02'26"N 76°30'02"W Light "2" from 38°05'36"N 76°24'16"W to 38°05'31"N 76°24'15"W and change designation to "2S" (26/03 CG5)
11481 4Ed. 8/02 LAST NM 28/03 34/03 Add Depth 37 feet 28°21'03.0"N 80°25'10.0"W Depth 37 feet 28°20'56.4"N 80°24'23.8"W (NOS)	★12237 26Ed. 3/31/01 LAST NM 25/03 34/03 (Side A) Relocate Buoy "26" from 37°54'25"N 76°48'04"W to 37°54'24"N 76°48'05"W Buoy "28" from 37°54'51"N 76°48'44"W to 37°54'48"N 76°48'41"W (26/03 CG5)
11484 21Ed. 5/12/01 LAST NM 16/02 34/03 Delete Depth 44 feet 28°21'06"N 80°25'18"W Add Depth 37 feet 28°21'03"N 80°25'10"W (NOS)	12238 37Ed. 9/02 LAST NM 25/03 34/03 Delete Buoy "A" 37°14'23"N 76°27'33"W (See 46/02-12238) (26/03 CG5)
★11491 33Ed. 3/24/01 LAST NM 30/03 34/03 (Side A) Delete Buoy "48" 30°23'16.0"N 81°33'42.5"W (25/03 CG7)	★12241 21Ed. 1/5/02 LAST NM 7/03 34/03 Delete Buoy "A" 37°14'23.2"N 76°27'33.1"W (See 44/02-12241)
11496 9Ed. 8/22/98 LAST NM N19/03 N34/03 Change Characteristic of light to F 32°01.3'N 80°50.6'W (26/03 CG7)	Relocate Light "3" from 37°16'13.2"N 76°32'50.2"W to 37°16'12.5"N 76°32'49.6"W (26/03 CG5)
11505 1Ed. 9/23/00 LAST NM 22/03 34/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)	★12245 62Ed. 5/03 LAST NM 33/03 34/03 Relocate Beacon "3" from 37°00'10.9"N 76°18'58.0"W to 37°00'12.2"N 76°18'58.1"W Beacon "5" from 37°00'45.0"N 76°19'06.1"W to 37°00'44.2"N 76°19'07.2"W and delete legend "PA" (26/03 CG5)
★11506 40Ed. 1/03 LAST NM 28/03 34/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)	12254 43Ed. 8/02 LAST NM 30/03 34/03 Relocate Light "7" from 36°55'24.5"N 76°10'34.8"W to 36°55'25.7"N 76°10'33.7"W Light "8" from 36°55'18.5"N 76°10'40.8"W to 36°55'22.3"N 76°10'41.7"W (See 44/02-12254) (26/03 CG5)
11514 26Ed. 7/02 LAST NM 24/03 34/03 (Side A) Add Tabulation of controlling depths from Subsection I-2 (NOS)	★12255 15Ed. 2/2/02 LAST NM 30/03 34/03 Relocate Light "5" from 36°55'42.5"N 76°10'34.8"W to 36°55'42.3"N 76°10'34.5"W Light "7" from 36°55'24.5"N 76°10'34.8"W to 36°55'25.7"N 76°10'33.7"W Light "8" from 36°55'18.5"N 76°10'40.8"W to 36°55'22.3"N 76°10'41.7"W (See 44/02-12255) (26/03 CG5)
11521 26Ed. 2/2/02 LAST NM 28/03 34/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)	

SECTION I

NM 34/03

12256 13Ed. 3/2/02 LAST NM 30/03 34/03
 Relocate Beacon "3" from 37°00'11.5"N 76°18'57.7"W
 to 37°00'12.2"N 76°18'58.1"W
 and delete legend "PA"
 Beacon "5" from 37°00'45.3"N 76°19'05.9"W
 to 37°00'44.2"N 76°19'07.2"W
 and delete legend "PA"
 Light "7" from 36°55'24.5"N 76°10'34.8"W to
 36°55'25.7"N 76°10'33.7"W
 Light "8" from 36°55'18.5"N 76°10'40.8"W to
 36°55'22.3"N 76°10'41.7"W
 (See 44/02-12256)
 (26/03 CG5)

12285 35Ed. 1/03 LAST NM 22/03 34/03
 (Page A)
 Relocate Light "2" from 38°02'28"N 76°30'04"W to
 38°02'26"N 76°30'02"W
 Light "2" from 38°05'34"N 76°24'15"W to
 38°05'31"N 76°24'15"W
 and change designation to "2S"
 (Page B, Inset 2)
 Relocate Light "2" from 38°05'35"N 76°24'16"W to
 38°05'31"N 76°24'15"W
 and change designation to "2S"
 (Page B, Inset 4)
 Relocate Light "2" from 38°02'28"N 76°30'03"W to
 38°02'26"N 76°30'02"W
 (26/03 CG5)

12327 96Ed. 11/02 LAST NM 29/03 34/03
 Change Visibility (range) of light to 4M 40°36'47"N 74°03'37"W
 and delete legend "PA"
 Visibility (range) of light to 4M 40°36'46"N 74°03'37"W
 and delete legend "PA"
 (25/03 CG1)

★**12334** 66Ed. 5/03 LAST NM 30/03 34/03
 Change Visibility (range) of light to 4M 40°36'46.8"N 74°03'36.7"W
 and delete legend "PA"
 Visibility (range) of light to 4M 40°36'46.0"N 74°03'37.0"W
 and delete legend "PA"
 (25/03 CG1)

★**12348** 33Ed. 12/23/00 LAST NM 29/03 34/03
 Add Visibility (range) 6M to light 42°22'47"N 73°47'41"W
 (25/03 CG1)

12402 8Ed. 5/1/02 LAST NM 13/03 34/03
 Change Visibility (range) of light to 4M 40°36'47"N 74°03'36"W
 and delete legend "PA"
 Visibility (range) of light to 4M 40°36'46"N 74°03'37"W
 and delete legend "PA"
 (25/03 CG1)

14002 57Ed. 4/15/95 LAST NM 32/03 34/03
 Change Visibility (range) of light to 11M 46°27.1'N 61°58.3'W
 (4/4002)03 Ottawa)

14040 65Ed. 4/22/95 LAST NM 40/02 34/03
 Add Wreck [K29] (PA) 44°42.7'N 65°46.9'W
 (4/4396)03 Ottawa)

14041 12Ed. 1/14/95 LAST NM 44/98 34/03
 Add Wreck [K29] (PA) 44°42'42"N 65°46'54"W
 (4/4396)03 Ottawa)

14042 3Ed. 5/6/95 LAST NM 44/98 34/03
 Add Wreck [K29] (PA) 44°42'42"N 65°46'54"W
 (4/4396)03 Ottawa)

14066 19Ed. 12/24/94 LAST NM 6/03 34/03
 Change Light to Fl G 4s 7m 43°26.5'N 65°38.1'W
 (Can LL)

14088 10Ed. 8/3/02 LAST NM 41/02 34/03
 Substitute Depth 8.5 meters for 8.9 meters 44°40'24.8"N 63°36'06.4"W
 (4/4201)03 Ottawa)

14089 29Ed. 8/3/02 LAST NM 41/02 34/03
 Substitute Depth 8.5 meters for 8.9 meters 44°40'24.8"N 63°36'06.4"W
 (4/4201)03 Ottawa)

14111 7Ed. 2/18/95 LAST NM 32/03 34/03
 (Continuation)
 Change Characteristic of light to Fl Y 45°39'11.0"N 61°25'15.0"W
 (Plan A)
 Change Characteristic of light to Fl Y 45°39'11.0"N 61°25'15.0"W
 (4/4306)03 Ottawa)

14151 2Ed. 6/3/95 LAST NM 32/03 34/03
 Change Visibility (range) of light to 11M 46°27'07"N 61°58'20"W
 (4/4002)03 Ottawa)

14183 15Ed. 1/14/95 LAST NM 7/01 34/03
 Delete Light from buoy "EV3" 48°05'02"N 66°21'38"W
 (8/4426)00 Ottawa)

14204 21Ed. 3/4/95 LAST NM 19/02 34/03
 Relocate Buoy "VAL" from 45°25'52"N 73°46'29"W to
 45°25'28"N 73°47'34"W
 (4/1410)03 Ottawa)

14206 20Ed. 9/26/98 LAST NM 19/02 34/03
 Delete Dashed line between 45°32'45.9"N 73°31'47.3"W
 45°32'42.4"N 73°31'44.1"W
 Change Legend to "9.4m" 45°31'25.9"N 73°32'37.1"W
 Legend to "8.8m" 45°30'27.9"N 73°32'47.1"W
 Legend to "8.8m" 45°30'48.1"N 73°32'43.7"W
 Legend to "8.8m" 45°30'36.3"N 73°32'45.6"W
 Legend to "8.8m" 45°30'18.5"N 73°32'49.8"W
 Legend to "8.8m" 45°30'10.1"N 73°32'52.4"W
 Add Dashed line between 45°32'44.4"N 73°31'46.2"W
 45°32'42.4"N 73°31'44.1"W
 (4/1310)03 Ottawa)

14225 17Ed. 4/15/95 LAST NM 16/03 34/03
 Change Height of light to 54m 46°32'12"N 72°05'36"W
 (Can LL)

14226 32Ed. 3/4/95 LAST NM 6/03 34/03
 Change Height of light to 17m 46°40'00"N 71°34'54"W
 Height of light to 10m 46°40'00"N 71°35'06"W
 (Can LL)

14263 15Ed. 3/25/95 LAST NM 32/03 34/03
 Change Characteristic of light to Iso Y 50°09'48"N 66°29'00"W
 Characteristic of light to Iso Y 50°09'54"N 66°29'00"W
 Characteristic of light to Iso G 50°09'54"N 66°28'54"W
 Characteristic of light to Iso G 50°09'54"N 66°28'48"W
 (See 28/95-14263)

(Plan A)
 Change Characteristic of light to Iso Y 50°09'48.0"N 66°29'00.0"W
 Characteristic of light to Iso Y 50°09'54.0"N 66°29'00.0"W
 Characteristic of light to Iso G 50°09'54.0"N 66°28'54.0"W
 Characteristic of light to Iso G 50°09'54.0"N 66°28'48.0"W
 (Can LL)

14341 5Ed. 6/3/95 LAST NM 12/03 34/03
 Change Designation of buoy "QPW" to "QLW" 47°22.92'N 57°01.50'W
 (8/4633)00 Ottawa)

14358	Ed. 10/2/87 LAST NM N36/02 (Plan Grand Bank Harbour) Change Light to QG (44832)03 Ottawa)	47°06'04.8"N 55°44'57.8"W	N34/03
14373	2Ed. 3/4/95 LAST NM 52/98 Change Light to Fl R (44847)03 Ottawa)	47°32'22"N 53°12'21"W	34/03
14830	30Ed. 6/03 LAST NM 31/03 Change Period of light to 4s (See 31/03-14830) (NTM0002/2003)	42°00'36"N 82°46'48"W	34/03
14871	2Ed. 4/8/95 LAST NM 21/02 Change Characteristic of light to Oc WRG (Plan B) Change Characteristic of light to Oc WRG (82228)00 Ottawa)	44°10.70'N 81°38.55'W 44°10.70'N 81°38.55'W	34/03
15043	3Ed. 8/24/96 LAST NM 49/00 Change Buoy "NMM2" to "NMM3" G, pillar, Fl G (See 20/00-15043) (44701)03 Ottawa)	52°29'58"N 55°44'14"W	34/03
15044	3Ed. 12/14/96 LAST NM 46/99 Add Light Q to buoy (44702)03 Ottawa)	53°05'41"N 55°51'29"W	34/03
16012	21Ed. 2/23/91 LAST NM 38/02 Relocate Superbuoy ODAS "46072" from 52°01.8'N 172°04.0'W to (See 38/02-16012) (26/03 CG17)	52°01.8'N 172°05.0'W	34/03
★16013	28Ed. 4/14/01 LAST NM 32/03 Add Superbuoy ODAS [Q58] "46061" Y, Fl(4) Y 20s Superbuoy ODAS [Q58] "46080" Y, Fl(4) Y 20s Superbuoy ODAS [Q58] "46082" Y, Fl(4) Y 20s (26/03 CG17)	60°13.1'N 145°49.5'W 58°00.1'N 150°00.5'W 59°36.8'N 143°40.0'W	34/03
★16016	19Ed. 7/10/93 LAST NM 43/01 Add Superbuoy ODAS [Q58] "46082" Y, Fl(4) Y 20s Superbuoy ODAS [Q58] "46084" Y, Fl(4) Y 20s (26/03 CG17)	59°36.8'N 143°40.0'W 56°35.4'N 136°09.6'W	34/03
★16480	10Ed. 8/25/90 LAST NM 38/02 Relocate Superbuoy ODAS "46072" from 52°01.8'N 172°04.0'W to (See 38/02-16480) (26/03 CG17)	52°01.8'N 172°05.0'W	34/03
★16700	27Ed. 3/9/02 LAST NM 32/03 Delete Superbuoy ODAS "46061" Add Superbuoy ODAS [Q58] "46061" Y, Fl(4) Y 20s (26/03 CG17)	60°12.6'N 146°50.1'W 60°13.1'N 145°49.5'W	34/03
17005	10Ed. 5/27/95 LAST NM 24/03 Delete Buoy (13674)03 Ottawa)	49°23.1'N 126°25.0'W	34/03
★17320	15Ed. 3/6/99 LAST NM 29/03 Add Superbuoy ODAS [Q58] "46084" Y, Fl(4) Y 20s (26/03 CG17)	56°35.4'N 136°09.6'W	34/03
17517	8Ed. 5/6/95 LAST NM 16/03 Delete Dangerous rock (13459)03 Ottawa)	49°17'30"N 124°07'45"W	34/03
17520	2Ed. 5/13/95 LAST NM N16/03 Delete Dangerous rock (See N23/96-17520) (13459)03 Ottawa)	49°17'16"N 124°07'42"W	N34/03
17546	22Ed. 10/29/94 LAST NM 24/03 Delete Buoy "MH" Buoy "ME" (13674)03 Ottawa)	49°19.8'N 126°15.6'W 49°23.1'N 126°25.8'W	34/03
18401	12Ed. 6/10/95 LAST NM 5/02 Delete Buoy Dangerous rock Change Buoy to Y, spherical (Navy) [Q22] Buoy to Y, spherical (Navy) [Q22] Add Buoy Y, spherical (Navy) [Q22] Dangerous submerged rock [K13] Buoy R, nun (Priv) [Q20] (13459)03 Ottawa)	49°17'08.0"N 124°03'42.0"W 49°17'30.0"N 124°07'44.4"W 49°17'09.5"N 124°04'57.6"W 49°17'32.5"N 124°05'40.9"W 49°17'08.0"N 124°03'45.0"W 49°17'15.3"N 124°08'04.8"W 49°17'14.9"N 124°08'05.0"W	34/03
18423	33Ed. 10/02 LAST NM 32/03 (Page E) Add Legend "Floating and submerged obstructions exist between buoys" Legend "(see note J)" Note "NOTE J" Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted Areas surrounding the facility. (CFR 334.1215)" Add Legend "Floating and submerged obstructions exist between buoys" Legend "(see note J)" Note "NOTE J" Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted areas surrounding the facility. (CFR 334.1215)" (17/03 CG13)	48°58'52"N 122°13'07"W 48°58'30"N 122°12'00"W 48°57'52"N 122°24'33"W 47°58'55"N 122°13'47"W 47°58'34"N 122°14'32"W 47°57'30"N 122°13'00"W	34/03
18440	26Ed. 12/02 LAST NM 32/03 Change Legend to "RESTRICTED AREA 334.1220 & 165.1302 (see notes A and J)" Legend to "RESTRICTED AREA 2 334.1240 (see notes A and J)" Add Buoy "B5" QY Buoy "B21" QY Legend "Floating and submerged obstructions exist between buoys" Legend "Floating and submerged obstructions exist between buoys" Legend "(see note J)" (continued on next page)	47°45.6'N 122°41.0'W 47°33.0'N 122°41.6'W 47°44.4'N 122°44.3'W 47°45.6'N 122°43.5'W 47°45.0'N 122°43.7'W 47°33.3'N 122°38.3'W 47°58.5'N 122°12.3'W	34/03

18440	(Continued)			
	Note			
	“NOTE J			
	Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted Areas surrounding the facility. (CFR 334.1215, CFR 334.1220 and CFR 334.1240)”	47°48.4’N	122°34.6’W	
	(15, 17/03 CG13)			
18441	42Ed. 5/02 LAST NM 32/03			34/03
Change	Legend to “RESTRICTED AREA 334.1220 & 165.1302 (see notes A and J)”	47°44’24”N	122°42’51”W	
Add	Buoy “B5” QY	47°44’26”N	122°44’19”W	
	Buoy “B21” QY	47°45’34”N	122°43’30”W	
	Legend “Floating and submerged obstructions exist between buoys”	47°44’24”N	122°42’51”W	
	Legend “Floating and submerged obstructions exist between buoys”	47°58’56”N	122°13’49”W	
	Legend “(see note J)”	47°58’44”N	122°13’55”W	
	Note			
	“NOTE J			
	Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted Areas surrounding the facility. (CFR 334.1215 and CFR 334.1220)”	47°48’24”N	122°36’42”W	
	(15, 17/03 CG13)			
18443	15Ed. 6/21/97 LAST NM 6/03			34/03
Change	Legend to “(see notes A and D)”	47°58’38”N	122°14’37”W	
Add	Legend “Floating and submerged obstructions exist between buoys”	47°58’57”N	122°13’49”W	
	Note			
	“NOTE D			
	Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted Areas surrounding the facility. (CFR 334.1215)”	48°56’33”N	122°22’22”W	
	(17/03 CG13)			
★18444	15Ed. 4/7/01 LAST NM 39/02			34/03
Add	Legend “Floating and submerged obstructions exist between buoys”	47°58’56”N	122°13’50”W	
	Legend “(see Note J)”	47°58’44”N	122°13’55”W	
	Note			
	“NOTE J			
	Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted Areas surrounding the facility. (CFR 334.1215)”	47°58’25”N	122°13’13”W	
	(17/03 CG13)			
18445	29Ed. 2/24/01 LAST NM 28/03			34/03
Change	(Page B, Inset 5) Legend to “RESTRICTED AREA 2 334.1240 (see notes A and G)”	47°33’36”N	122°38’46”W	
Add	Buoy “1” QY	47°33’01”N	122°39’10”W	
	Buoy “2” QY	47°33’04”N	122°39’01”W	
	Buoy “3” QY	47°33’05”N	122°38’51”W	
	Buoy “4” QY	47°33’05”N	122°38’43”W	
	Buoy “5” QY	47°33’07”N	122°38’34”W	
	Buoy “6” QY	47°33’07”N	122°38’26”W	
	Buoy “7” QY	47°33’12”N	122°38’19”W	
	Buoy “8” QY	47°33’18”N	122°38’15”W	
	Buoy “9” QY	47°33’19”N	122°38’05”W	
	Buoy “10” QY	47°33’22”N	122°37’58”W	
	Buoy “11” QY	47°33’22”N	122°37’51”W	

	Buoy “12” QY	47°33’26”N	122°37’45”W	
	Legend “Floating and submerged obstructions exist between buoys”	47°33’14”N	122°38’51”W	
	(Page D)			
Add	Note in bottom right margin of chart			
	“NOTE G			
	Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted Areas surrounding the facility. (CFR 334.1220 and CFR 334.1240)”			
	(Page E)			
Change	Legend to “RESTRICTED AREA 334.1220 & 165.1302 (see notes A and G)”	47°45’52”N	122°43’08”W	
Add	Buoys (2) QY	47°44’30”N	122°43’59”W	
	Buoy “B5” QY	47°44’26”N	122°44’18”W	
	Buoys (5) QY	47°44’31”N	122°44’19”W	
	Buoys (3) QY	47°44’51”N	122°44’12”W	
	Buoys (3) QY	47°45’08”N	122°43’59”W	
	Buoys (4) QY	47°45’26”N	122°43’42”W	
	Buoy “B21” QY	47°45’34”N	122°43’30”W	
	Buoys (5) QY	47°45’24”N	122°43’27”W	
	Legend “Floating and submerged obstructions exist between buoys”	47°45’00”N	122°43’45”W	
	(15, 17/03 CG13)			
18448	32Ed. 8/25/01 LAST NM 22/03			34/03
Change	Legend to “RESTRICTED AREA 2 334.1240 (see notes A and F)”	47°33’12”N	122°41’36”W	
Add	Note			
	“NOTE F			
	Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted Areas surrounding the facility. (CFR 334.1240)”	47°34’09”N	122°46’15”W	
	(15/03 CG13)			
18449	17Ed. 1/20/01 LAST NM 27/03			34/03
Change	Legend to “RESTRICTED AREA 2 334.1240 (see notes A and F)”	47°33’36”N	122°38’45”W	
Add	Legend “Floating and submerged obstructions exist between buoys”	47°33’11”N	122°38’50”W	
	Note			
	“NOTE F			
	Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted Areas surrounding the facility. (CFR 334.1240)”	47°31’47”N	122°39’43”W	
	(15, 17/03 CG13)			
★18452	16Ed. 10/2/99 LAST NM 17/02			34/03
Change	Legend to “RESTRICTED AREA 2 334.1240 (see notes A and D)”	47°33’10”N	122°38’50”W	
Add	Buoy “1” QY	47°33’00.7”N	122°39’09.6”W	
	Buoy “2” QY	47°33’04.1”N	122°39’00.9”W	
	Buoy “3” QY	47°33’05.1”N	122°38’51.4”W	
	Buoy “4” QY	47°33’05.4”N	122°38’43.3”W	
	Buoy “5” QY	47°33’07.0”N	122°38’34.1”W	
	Buoy “6” QY	47°33’07.2”N	122°38’25.6”W	
	Buoy “7” QY	47°33’12.4”N	122°38’18.7”W	
	Buoy “8” QY	47°33’18.2”N	122°38’14.9”W	
	Buoy “9” QY	47°33’19.4”N	122°38’04.9”W	
	Buoy “10” QY	47°33’21.5”N	122°37’58.4”W	
	Buoy “11” QY	47°33’22.0”N	122°37’51.3”W	
	Buoy “12” QY	47°33’26.1”N	122°37’45.1”W	

(continued on next page)

18452 (Continued)

Note

“NOTE D

Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted Areas surrounding the facility. (CFR 334.1220)”

47°34'12"N 122°30'00"W

Legend “Floating and submerged obstructions exist between buoys”

47°33'13"N 122°38'50"W

(15, 17/03 CG13)

18455 2Ed. 3/7/98 LAST NM N15/03

N34/03

Add

Buoy “B1” QY 47°44'29.5"N 122°43'53.5"W
 Buoy “B2” QY 47°44'28.0"N 122°44'02.8"W
 Buoy “B3A” QY 47°44'27.8"N 122°44'09.0"W
 Buoy “B3B” QY 47°44'27.6"N 122°44'10.0"W
 Buoy “B4” QY 47°44'30.5"N 122°44'13.5"W
 Buoy “B5” QY 47°44'26.2"N 122°44'18.5"W
 Buoy “B6” QY 47°44'34.7"N 122°44'18.6"W
 Buoy “B7” QY 47°44'40.4"N 122°44'19.2"W
 Buoy “B8” QY 47°44'45.8"N 122°44'15.7"W
 Buoy “B9” QY 47°44'50.9"N 122°44'11.7"W
 Buoy “B10” QY 47°44'56.0"N 122°44'07.6"W
 Buoy “B11” QY 47°45'02.6"N 122°44'02.7"W
 Buoy “B12” QY 47°45'07.8"N 122°43'59.4"W
 Buoy “B13” QY 47°45'13.0"N 122°43'55.8"W
 Buoy “B14” QY 47°45'17.4"N 122°43'52.2"W
 Buoy “B15” QY 47°45'23.0"N 122°43'48.3"W
 Buoy “B16” QY 47°45'26.6"N 122°43'44.9"W
 Buoy “B17” QY 47°45'28.2"N 122°43'39.0"W
 Buoy “B18” QY 47°45'28.1"N 122°43'31.2"W
 Buoy “B19A” QY 47°45'26.0"N 122°43'25.5"W
 Buoy “B19B” QY 47°45'26.3"N 122°43'24.9"W
 Buoy “B20” QY 47°45'21.4"N 122°43'25.3"W
 Buoy “B21” QY 47°45'33.6"N 122°43'29.6"W
 Buoy “B22” QY 47°45'19.3"N 122°43'23.9"W

Legend “(NOTE NO 7)”

47°45'23.0"N 122°43'48.3"W

Legend “Floating and submerged obstructions exist between buoys”

47°44'54.0"N 122°43'44.5"W

Note No. 7 to NOTES

“7. Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted Areas surrounding the facility. (CFR 334.1220)”

47°47'42.0"N 122°45'30.0"W

(15, 17/03 CG13)

★18458 15Ed. 3/03 LAST NM 28/03

34/03

Change

Legend to “RESTRICTED AREA 334.1220 & 165.1302 (see notes A and C)”

47°44'55"N 122°43'00"W

Add

Buoy “B1” QY 47°44'29"N 122°43'53"W
 Buoy “B2” QY 47°44'28"N 122°44'03"W
 Buoy “B3A” QY 47°44'28"N 122°44'09"W
 Buoy “B3B” QY 47°44'28"N 122°44'10"W
 Buoy “B4” QY 47°44'30"N 122°44'13"W
 Buoy “B5” QY 47°44'26"N 122°44'18"W
 Buoy “B6” QY 47°44'35"N 122°44'19"W
 Buoy “B7” QY 47°44'40"N 122°44'19"W
 Buoy “B8” QY 47°44'46"N 122°44'16"W
 Buoy “B9” QY 47°44'51"N 122°44'12"W
 Buoy “B10” QY 47°44'56"N 122°44'08"W
 Buoy “B11” QY 47°45'03"N 122°44'03"W
 Buoy “B12” QY 47°45'08"N 122°43'59"W
 Buoy “B13” QY 47°45'13"N 122°43'56"W
 Buoy “B14” QY 47°45'17"N 122°43'52"W
 Buoy “B15” QY 47°45'23"N 122°43'48"W
 Buoy “B16” QY 47°45'27"N 122°43'45"W
 Buoy “B17” QY 47°45'28"N 122°43'39"W
 Buoy “B18” QY 47°45'28"N 122°43'31"W
 Buoy “B19A” QY 47°45'26"N 122°43'26"W
 Buoy “B19B” QY 47°45'26"N 122°43'25"W
 Buoy “B20” QY 47°45'21"N 122°43'25"W
 Buoy “B21” QY 47°45'34"N 122°43'30"W
 Buoy “B22” QY 47°45'19"N 122°43'24"W

Note

“NOTE C

Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted Areas surrounding the facility. (CFR 334.1220)”

47°46'00"N 122°41'00"W

Legend “Floating and submerged obstructions exist between buoys”

47°45'04"N 122°43'43"W

(15, 17/03 CG13)

18459 5Ed. 5/16/98 LAST NM N28/03

N34/03

Add

Buoy “B1” QY 47°44'29.5"N 122°43'53.5"W
 Buoy “B2” QY 47°44'28.0"N 122°44'02.8"W
 Buoy “B3A” QY 47°44'27.8"N 122°44'09.0"W
 Buoy “B3B” QY 47°44'27.6"N 122°44'10.0"W
 Buoy “B4” QY 47°44'30.5"N 122°44'13.5"W
 Buoy “B5” QY 47°44'26.2"N 122°44'18.5"W
 Buoy “B6” QY 47°44'34.7"N 122°44'18.6"W
 Buoy “B7” QY 47°44'40.4"N 122°44'19.2"W
 Buoy “B8” QY 47°44'45.8"N 122°44'15.7"W
 Buoy “B9” QY 47°44'50.9"N 122°44'11.7"W
 Buoy “B10” QY 47°44'56.0"N 122°44'07.6"W
 Buoy “B11” QY 47°45'02.6"N 122°44'02.7"W
 Buoy “B12” QY 47°45'07.8"N 122°43'59.4"W
 Buoy “B13” QY 47°45'13.0"N 122°43'55.8"W
 Buoy “B14” QY 47°45'17.4"N 122°43'52.2"W
 Buoy “B15” QY 47°45'23.0"N 122°43'48.3"W
 Buoy “B16” QY 47°45'26.6"N 122°43'44.9"W
 Buoy “B17” QY 47°45'28.2"N 122°43'39.0"W
 Buoy “B18” QY 47°45'28.1"N 122°43'31.2"W
 Buoy “B19A” QY 47°45'26.0"N 122°43'25.5"W
 Buoy “B19B” QY 47°45'26.3"N 122°43'24.9"W
 Buoy “B20” QY 47°45'21.4"N 122°43'25.3"W
 Buoy “B21” QY 47°45'33.6"N 122°43'29.6"W
 Buoy “B22” QY 47°45'19.3"N 122°43'23.9"W

Legend “Floating and submerged obstructions exist between buoys (NOTE NO 7)”

47°45'08.2"N 122°43'43.5"W

Note No. 7. to NOTES

“7. Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted Areas surrounding the facility. (CFR 334.1220)”

47°39'14.0"N 122°45'09.0"W

(15, 17/03 CG13)

18473 7Ed. 12/02 LAST NM 19/03

34/03

Change

Legend to “RESTRICTED AREA 334.1220 & 165.1302 (see note A)” 47°45'37"N 122°42'44"W
 Legend to “RESTRICTED AREA 334.1220 & 165.1302 (see note A)” 47°46'55"N 122°42'54"W

Add

Buoy “B15” QY 47°45'23"N 122°43'48"W
 Buoy “B16” QY 47°45'27"N 122°43'45"W
 Buoy “B17” QY 47°45'28"N 122°43'39"W
 Buoy “B18” QY 47°45'28"N 122°43'31"W
 Buoy “B19A” QY 47°45'26"N 122°43'26"W
 Buoy “B19B” QY 47°45'26"N 122°43'25"W
 Buoy “B20” QY 47°45'21"N 122°43'25"W
 Buoy “B21” QY 47°45'34"N 122°43'30"W
 Buoy “B22” QY 47°45'19"N 122°43'24"W

Legend “Floating and submerged obstructions exist between buoys (see Note I)”

47°45'12"N 122°43'42"W

Note

“NOTE I

Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted Areas surrounding the facility. (CFR 334.1220)

47°46'00"N 122°40'54"W

(15, 17/03 CG13)

SECTION I

NM 34/03

18474	7Ed. 8/02	LAST NM 25/03	34/03
Change	Legend to "RESTRICTED AREA 2 334.1240 (see notes A and H)" 47°33'35"N 122°38'44"W		
Add	Note "NOTE H Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted Areas surrounding the facility. (CFR 334.1240)" 47°31'30"N 122°38'30"W		
	Legend "Floating and submerged obstructions exist between buoys" 47°33'12"N 122°38'08"W (15, 17/03 CG13)		
18476	4Ed. 2/7/98	LAST NM 28/03	34/03
Change	(Upper Panel) Legend to "(see notes A and D)" 47°44'40"N 122°43'55"W		
Add	Buoy "B1" QY 47°44'30"N 122°43'54"W Buoy "B2" QY 47°44'28"N 122°44'03"W Buoy "B3A" QY 47°44'28"N 122°44'09"W Buoy "B3B" QY 47°44'28"N 122°44'10"W Buoy "B4" QY 47°44'31"N 122°44'14"W Buoy "B5" QY 47°44'26"N 122°44'19"W Buoy "B6" QY 47°44'35"N 122°44'19"W Buoy "B7" QY 47°44'40"N 122°44'19"W Buoy "B8" QY 47°44'46"N 122°44'16"W Buoy "B9" QY 47°44'51"N 122°44'12"W Buoy "B10" QY 47°44'56"N 122°44'08"W Buoy "B11" QY 47°45'03"N 122°44'03"W Buoy "B12" QY 47°45'08"N 122°43'59"W Buoy "B13" QY 47°45'13"N 122°43'56"W Buoy "B14" QY 47°45'17"N 122°43'52"W Buoy "B15" QY 47°45'23"N 122°43'48"W Buoy "B16" QY 47°45'27"N 122°43'45"W Buoy "B17" QY 47°45'28"N 122°43'39"W Buoy "B18" QY 47°45'28"N 122°43'31"W Buoy "B19A" QY 47°45'26"N 122°43'26"W Buoy "B19B" QY 47°45'26"N 122°43'25"W Buoy "B20" QY 47°45'22"N 122°43'25"W Buoy "B21" QY 47°45'34"N 122°43'30"W Buoy "B22" QY 47°45'19"N 122°43'24"W		
	Legend "Floating and submerged obstructions exist between buoys" 47°44'50"N 122°43'54"W		
	Note "NOTE D Floating security barriers have been installed at various U.S. Naval installations throughout Puget Sound. The barriers are marked by numerous quick flashing yellow (QY) lights and approximately mark the Restricted Areas surrounding the facility. (CFR 334.1220)" 47°44'00"N 122°50'00"W (15, 17/03 CG13)		
22052	6Ed. 1/14/95	LAST NM 25/03	34/03
Add	Buoy (mooring) [Q40] 3°54'01"N 77°03'47"W		
	(Plan)		
Add	Buoy (mooring) [Q40] 3°54'01.0"N 77°03'47.0"W (104/03 Bogota)		
22221	20Ed. 8/31/96	LAST NM 31/03	34/03
Add	(Plan E) Submarine pipeline (outfall) [L41.1] joining 22°05'05.7"S 70°11'50.3"W 22°04'56.2"S 70°11'57.2"W 22°04'30.5"S 70°12'13.8"W		
	Buoy Y, can topmark, Fl(3+1)Y 20s 22°05'56.2"S 70°11'57.2"W		
	Buoy Y, can topmark, Fl(3+1)Y 20s 22°04'30.5"S 70°12'13.8"W		
	Note "NOTE Anchoring and fishing are prohibited within 200 meters of submarine discharge pipeline." 22°05'00.0"S 70°11'00.0"W (4/43)03 Valparaiso)		

22305	2Ed. 2/17/96	LAST NM 30/03	34/03
Add	Depth 54 meters enclosed by depth contour (100-meter) "Rep (2003)" 37°48.1'S 74°15.8'W (5/65)03 Valparaiso)		
22361	2Ed. 7/25/84	LAST NM N33/03	N34/03
Add	Purple solid line joining 45°00.0'S 73°30.0'W 44°56.0'S 73°30.0'W 44°56.0'S 73°21.0'W 45°00.0'S 73°21.0'W		
	Legend "See Chart 22371" 44°58.0'S 73°24.5'W (5/69)03 Valparaiso)		
22370	2Ed. 12/6/97	LAST NM 33/03	34/03
Add	Purple solid line joining 45°00.0'S 73°30.0'W 44°56.0'S 73°30.0'W 44°56.0'S 73°21.0'W 45°00.0'S 73°21.0'W		
	Legend "See Chart 22371" 44°58.0'S 73°24.5'W (5/69)03 Valparaiso)		
22373	1Ed. 8/3/50	LAST NM N33/03	N34/03
Delete	(Plan A) Plan (Canal Pilcomayo) (4/46)03 Valparaiso)		
22492	3Ed. 3/14/98	LAST NM 23/98	34/03
Add	(Plan A) Submarine cable [L30.1] joining 33°38'04.0"S 78°49'44.8"W 33°38'01.2"S 78°49'39.3"W 33°37'45.9"S 78°49'12.7"W 33°37'31.9"S 78°49'00.0"W 33°37'18.0"S 78°49'11.0"W		
	Submarine cable [L30.1] joining 33°38'04.0"S 78°49'44.8"W 33°38'00.6"S 78°49'39.3"W 33°37'53.1"S 78°49'08.5"W 33°37'49.7"S 78°48'41.2"W 33°37'50.0"S 78°48'34.0"W		
Add	(Plan F) Submarine cable [L30.1] joining 33°38'04.0"S 78°49'44.8"W 33°38'01.2"S 78°49'39.3"W 33°37'45.9"S 78°49'12.7"W 33°37'31.9"S 78°49'00.0"W 33°37'19.2"S 78°49'09.5"W		
	Submarine cable [L30.1] joining 33°38'04.0"S 78°49'44.8"W 33°38'00.6"S 78°49'39.3"W 33°37'53.1"S 78°49'08.5"W 33°37'49.7"S 78°48'41.2"W 33°37'50.0"S 78°48'34.0"W		
	"ANCHORING AND FISHING PROHIBITED" area bound by shore and purple composite line joining 33°37'56.8"S 78°49'44.2"W 33°37'41.0"S 78°49'16.8"W 33°37'57.6"S 78°49'03.0"W 33°38'09.1"S 78°49'45.5"W (4/45)03 Valparaiso)		
22521	3Ed. 9/24/94	LAST NM 17/03	34/03
Relocate	Light from 0°53'48"S 89°36'36"W to 0°53'36"S 89°36'27"W (See 17/03-22521) (3/9)03 Guayaquil)		
22523	3Ed. 5/21/94	LAST NM 17/03	34/03
Relocate	Light from 0°53'48"S 89°36'36"W to 0°53'36"S 89°36'27"W (See 17/03-22523) (3/9)03 Guayaquil)		

24502	6Ed. 3/13/99 LAST NM 27/03 34/03 (Panel A) Relocate Buoy "5" from 11°03'35.6"N 74°50'15.8"W to 11°03'34.3"N 74°50'13.8"W (See 27/03-24502) (106/03 Bogota)	
24509	2Ed. 6/24/95 LAST NM 25/03 34/03 Substitute Buoy "E1" G, pillar, Fl G 3s for beacon "E1" 10°23'27"N 75°34'14"W Buoy "E2" R, pillar, Fl R 3s for beacon "E2" 10°23'25"N 75°34'15"W (111, 112/03 Bogota)	
25017	5Ed. 10/30/93 LAST NM 31/03 34/03 Add Buoy "H" Y, Fl Y 4s (Priv) 18°38'21"N 64°58'46"W (25/03 CG7)	
25018	9Ed. 7/28/01 LAST NM 31/03 34/03 Add Buoy "H" Y, Fl Y 4s (Priv) 18°38'21"N 64°58'46"W (25/03 CG7)	
25608	21Ed. 7/22/95 LAST NM 26/03 34/03 (Plan A) Delete Buoy (mooring) 18°04'48.0"N 63°05'06.0"W (9(51)03 Brest)	
★25640	40Ed. 4/6/02 LAST NM 31/03 34/03 Add Buoy "H" Y, Fl Y 4s (Priv) 18°38'21"N 64°58'46"W (25/03 CG7)	
★25668	18Ed. 1/12/02 LAST NM 13/03 34/03 (Inset Puerto Arcibo) Relocate Buoy "1" from 18°28'48.8"N 66°42'17.2"W to 18°28'47.9"N 66°42'16.9"W (25/03 CG7)	
★25681	16Ed. 4/03 LAST NM 28/03 34/03 Relocate Buoy "7" from 17°59'08.8"N 66°46'30.6"W to 17°59'10.2"N 66°46'29.0"W (25/03 CG7)	
★25683	18Ed. 5/03 LAST NM 32/03 34/03 Relocate Buoy "5" from 17°57'12.2"N 66°37'46.0"W to 17°57'09.6"N 66°37'45.2"W Add Tabulation of controlling depths from Subsection I-2 (NOS; 25/03 CG7)	
26282	6Ed. 7/31/99 LAST NM 23/03 34/03 Add Buoy (mooring) "SSRNM", Q [Q41] (Navy maintd) 24°54.0'N 77°49.0'W (NTM0004/2003)	
26295	1Ed. 3/15/03 LAST NM 22/03 34/03 Add Buoy (mooring) "SSRNM", Q [Q41] (Navy maintd) 24°54.0'N 77°49.0'W (NTM0004/2003)	
★26308	5Ed. 3/15/03 LAST NM 23/03 34/03 Add Buoy (mooring) "SSRNM", Q [Q41] (Navy maintd) 24°54.0'N 77°49.0'W (NTM0004/2003)	
27005	4Ed. 6/1/96 LAST NM 23/03 34/03 Add Buoy (mooring) "SSRNM", Q [Q41] (Navy maintd) 24°54.0'N 77°49.0'W (NTM0004/2003)	
27060	2Ed. 2/3/96 LAST NM 23/03 34/03 Add Buoy (mooring) "SSRNM", Q [Q41] (Navy maintd) 24°54.0'N 77°49.0'W (NTM0004/2003)	
37025	26Ed. 8/9/97 LAST NM 33/03 34/03 Add Depth 36 meters Wk [K26] 46°11.2'N 1°51.0'W (6(19)03 Brest)	
37165	2Ed. 2/3/96 LAST NM 32/03 34/03 Substitute Swept depth 24 meters Wk [K27] for 6.8 meters Wk 53°33.9'N 4°17.1'E (40(573)01 's-Gravenhage)	
37166	2Ed. 7/13/96 LAST NM 33/03 34/03 Substitute Swept depth 24 meters Wk [K27] for 6.8 meters Wk 53°33.9'N 4°17.1'E (40(573)01 's-Gravenhage)	
37223	14Ed. 9/2/95 LAST NM 32/03 34/03 Substitute Swept depth 24 meters Wk [K27] for 6.8 meters Wk 53°33.9'N 4°17.1'E (40(573)01 's-Gravenhage)	
37400	(INT 1803) 10Ed. 3/12/88 LAST NM 31/03 34/03 Add "PROHIBITED AREA" bound by purple composite-line circle, radius 1 mile, centered 46°11.2'N 1°51.0'W Depth 36 meters Wk [K26] 46°11.2'N 1°51.0'W (6(19)03 Brest)	
37445	1Ed. 10/19/91 LAST NM 1/03 34/03 Add Racon [S3.1] at light 43°19'52"N 1°55'36"W (17(293)03 Cadiz)	
37446	2Ed. 2/16/91 LAST NM 1/03 34/03 Add Racon [S3.1] at light 43°19'48.0"N 1°55'35.9"W (17(293)03 Cadiz)	
43146	2Ed. 4/23/83 LAST NM 48/02 34/03 Change Light to Q 16ft 2M 68°13'54"N 14°46'23"E Sectors of light to red 257°42'-270°54', white- 000°48', green-089°36', white-.094°, red- 117°30', white-120°42', green-127°36' 68°10'48"N 14°43'58"E Visibility (range) of light to 3-2M 68°13'15"N 14°32'28"E (BA LL)	
43150	2Ed. 9/29/90 LAST NM N17/02 N34/03 Change Visibility (range) of light to 6-4M 68°10.9'N 14°43.7'E (BA LL)	
43160	6Ed. 3/15/97 LAST NM 17/02 34/03 Change Visibility (range) of light to 6-4M 68°10.8'N 14°43.7'E (BA LL)	
43164	3Ed. 11/23/96 LAST NM 6/03 34/03 Delete Visibility (range) from light 68°09'10"N 14°38'59"E Change Visibility (range) of light to 6-4M 68°10'46"N 14°43'40"E (BA LL)	
44165	1Ed. 10/6/90 LAST NM 24/03 34/03 Add Submarine cable (power) [L31.1] joining 58°41'50"N 17°08'29"E 58°41'53"N 17°08'54"E 58°41'46"N 17°10'10"E 58°41'26"N 17°10'30"E (29(545)01 Norrkoping)	
44280	9Ed. 7/13/96 LAST NM 22/03 34/03 Delete Beacon 65°44.8'N 22°41.6'E Add Position circle "RADIO MAST (411)" with light (AERO) [P60] VQ 17M 65°56.0'N 23°31.7'E Position circle "Mast (R Lt)" 65°51.3'N 23°32.8'E Position circle "Mast (R Lt)" 65°49.3'N 23°47.8'E Position circle "Mast (R Lt)" 65°43.8'N 23°43.9'E	

(continued on next page)

SECTION I

NM 34/03

44280	(Continued)			
	Cone topmark to buoy	65°45.8'N 23°43.0'E		
	Beacon	65°44.0'N 23°50.1'E		
	Buoy BY, spar, double cone topmark points upward	65°44.2'N 23°55.0'E		
	Buoy BYB, spar, double cone topmark bases together	65°44.3'N 23°49.2'E		
	Depth 12 meters enclosed by depth contour (10-meter)	65°44.4'N 23°53.6'E		
	Depth 13 meters enclosed by depth contour (10-meter)	65°44.7'N 23°55.0'E		
	Depth 1.4 meters	65°41.2'N 23°46.6'E		
	Depth 2.7 meters	65°41.3'N 23°47.5'E		
	Depth 4.2 meters	65°45.7'N 23°42.9'E		
	Depth 7.5 meters	65°45.5'N 23°44.1'E		
	Depth 5.9 meters	65°45.9'N 23°44.0'E		
	Depth 6.4 meters	65°45.1'N 23°44.4'E		
	Depth 6.1 meters	65°45.8'N 23°52.6'E		
	Depth 5.6 meters	65°45.7'N 23°54.4'E		
	Double solid line with land tint (bridge) [D22] between	65°44.7'N 23°48.4'E 65°45.0'N 23°49.4'E		
	(See 50/02-44280)			
	(29(554)01 Norrköping; Swd CH 4, 411; BA LL)			
44400	4Ed. 9/7/96	LAST NM 27/03		34/03
	Change	Light to Iso R 2s 6m 3M, Iso R 4s 14m 3M	57°09.8'N 23°13.9'E	
	(See 12/03-44400)			
	(7(83, 89)03 Riga)			
44444	6Ed. 5/15/99	LAST NM 30/03		34/03
	(Plan B)			
	Relocate	Buoy "No 15" from 55°40'12.0"N 21°08'18.0"E to 55°43'25.3"N 21°05'37.4"E and change designation to "No 19"		
	Change	Designation of buoy to "No 7" 55°42'42.2"N 21°06'44.7"E Designation of buoy to "No 8" 55°42'18.5"N 21°07'09.8"E Designation of buoy to "No 9" 55°42'14.5"N 21°07'03.5"E Designation of buoy to "No 11" 55°41'45.5"N 21°07'28.0"E Designation of buoy to "No 13" 55°41'17.5"N 21°07'51.0"E Designation of buoy to "No 14" 55°40'59.5"N 21°08'14.3"E Designation of buoy to "No 15" 55°40'55.5"N 21°08'09.3"E Designation of buoy to "No 16" 55°40'41.4"N 21°08'29.5"E Designation of buoy to "No 17" 55°40'32.7"N 21°08'17.0"E		
	Add	Designation "No 3" to buoy 55°43'25.3"N 21°05'37.4"E Designation "No 5" to buoy 55°43'02.5"N 21°06'19.5"E		
	(32(4858)01 St. Petersburg)			
51100	7Ed. 10/22/94	LAST NM 33/03		34/03
	Change	Period of light to 7s	42°46.2'N 9°02.9'W	
	(39(676)02 Cadiz)			
51341	23Ed. 5/18/96	LAST NM 16/03		34/03
	(Plan)			
	Add	Designation "No 5" to buoy	28°26'40.8"N 16°16'00.6"W	
	(15(273)03 Cadiz)			
51641	4Ed. 8/24/96	LAST NM 32/03		34/03
	(Plan A)			
	Delete	Land tint area bound by shore and solid line between	6°21'25.0"N 10°47'45.0"W 6°20'14.1"N 10°47'36.9"W	
	(See 32/03-51641)			
	Add	Land tint to area bound by shore and solid line between	6°21'25.0"N 10°47'45.0"W 6°21'14.1"N 10°47'36.9"W	
	(NTM0019/2003)			
52040	17Ed. 9/27/86	LAST NM 18/03		34/03
	Add	Anchorage symbol (large vessels) [N10]	36°42.7'N 3°31.3'W	
	(15(275)03 Cadiz)			
52047	11Ed. 11/13/99	LAST NM 8/03		34/03
	(Plan C)			
	Add	Land tint to area bound by shore and solid line joining	35°17'20"N 2°55'25"W 35°17'19"N 2°55'27"W 35°17'29"N 2°55'31"W	
	(Plan D)			
	Add	Land tint to area bound by shore and solid line joining	35°17'19.5"N 2°55'24.6"W 35°17'18.7"N 2°55'27.1"W 35°17'29.3"N 2°55'31.0"W	
	(17(299)03 Cadiz)			
52060	16Ed. 9/26/87	LAST NM 29/03		34/03
	Change	Visibility (range) of light to 5M (Supersedes 7/03-52060)	37°35.2'N 0°59.1'W	
	(15(276)03 Cadiz)			
52061	2Ed. 3/2/96	LAST NM 29/03		34/03
	Change	Visibility (range) of light to 5M (See 7/03-52061)	37°35'04"N 0°59'05"W	
	(15(276)03 Cadiz)			
52062	7Ed. 9/23/00	LAST NM 29/03		34/03
	Change	Visibility (range) of light to 5M	37°35'04.1"N 0°59'05.0"W	
		Visibility (range) of light to 1M (Supersedes 7/03-52062)	37°35'26.2"N 0°59'12.7"W	
	(Plan A)			
	Change	Visibility (range) of light to 5M	37°35'04.1"N 0°59'02.9"W	
		Visibility (range) of light to 1M	37°35'26.2"N 0°59'12.7"W	
	(15(276)03 Cadiz)			
54284	1Ed. 8/6/94	LAST NM 15/03		34/03
	Add	Dangerous wreck [K28]	38°09'39"N 24°04'30"E	
	(10(282)02 Athens)			
54360	12Ed. 9/22/90	LAST NM 21/03		34/03
	Change	Light to Fl(4) 20s 32m 18M Racon	39°28'47"N 26°03'54"E	
	(33(156)02, 17(81)03 Istanbul)			
54369	4Ed. 4/6/96	LAST NM 21/03		34/03
	Change	Light to Fl(4) 20s 32m 18M Racon	39°28'47"N 26°03'54"E	
	(33(156)02, 17(81)03 Istanbul)			
54380	6Ed. 5/11/91	LAST NM 28/03		34/03
	Change	Light to Fl(4) 20s 32m 18M Racon	39°28.8'N 26°03.9'E	
	(33(156)02, 17(81)03 Istanbul)			
55100	8Ed. 1/23/99	LAST NM 33/03		34/03
	Add	Submarine cable [L30.1] joining	43°14.0'N 28°00.9'E 43°13.3'N 28°08.0'E 43°11.0'N 28°18.7'E 43°14.1'N 28°34.7'E 43°20.6'N 28°46.8'E 43°20.3'N 28°51.7'E 43°32.6'N 29°18.6'E 43°32.9'N 29°21.8'E 43°34.6'N 29°25.0'E 43°32.8'N 29°27.5'E 43°33.0'N 29°33.0'E 43°31.8'N 30°16.1'E	
		Submarine cable [L30.1] joining	46°08.4'N 30°32.3'E 46°05.7'N 30°36.0'E 45°57.5'N 30°40.1'E 45°37.4'N 31°03.4'E 45°04.2'N 31°23.0'E 44°35.2'N 31°39.9'E 44°15.8'N 31°51.0'E	
	(36(5538, 5539)01 St. Petersburg)			
55101	4Ed. 8/24/96	LAST NM 32/03		34/03
	Add	Buoy G, pillar, cone topmark	46°51'19"N 31°58'43"E	
	(18(2735)03 St. Petersburg)			

55120	2Ed. 6/15/96 LAST NM 33/03	34/03
Add	Submarine cable [L30.1] joining	43°14.0'N 28°00.9'E 43°13.3'N 28°08.0'E 43°11.1'N 28°17.6'E 43°11.0'N 28°18.7'E 43°14.1'N 28°34.7'E 43°20.6'N 28°46.8'E 43°20.8'N 28°48.2'E 43°20.3'N 28°50.8'E 43°20.3'N 28°51.7'E 43°32.6'N 29°18.6'E 43°32.9'N 29°21.8'E 43°34.4'N 29°23.9'E 43°34.6'N 29°25.0'E 43°32.8'N 29°27.5'E 43°32.7'N 29°57.3'E 43°31.8'N 30°16.1'E 43°32.8'N 30°17.8'E 43°32.7'N 30°32.4'E
	Submarine cable [L30.1] joining	45°00.0'N 31°25.5'E 44°35.2'N 31°39.9'E 44°15.8'N 31°51.0'E 44°06.9'N 31°56.0'E
	(36(5538, 5539)01 St. Petersburg)	
55128	2Ed. 3/18/00 LAST NM 32/03	34/03
Delete	Purple dashed line joining	44°35'30.0"N 37°46'44.0"E 44°36'44.5"N 37°46'44.0"E 44°36'11.0"N 37°52'58.0"E
	Purple dashed line between	44°37'13.7"N 37°52'58.0"E 44°37'34.6"N 37°54'31.5"E
	Legend "PRECAUTIONARY AREA"	44°35'38.0"N 37°51'00.0"E
	(34(5192)01 St. Petersburg)	
55129	7Ed. 6/15/96 LAST NM 27/03	34/03
Delete	Purple dashed line between	44°34'06"N 37°59'03"E 44°34'06"N 37°46'43"E
	Legend "PRECAUTIONARY AREA"	44°35'07"N 37°52'57"E
Add	Pilot station symbol [T1.1]	44°32'37"N 38°01'00"E
	(24(3478), 30(4554), 34(5192)01 St. Petersburg)	
55130	2Ed. 2/8/97 LAST NM 33/03	34/03
Add	Buoy (mooring) [Q40]	44°58.6'N 32°17.6'E
	Buoy (mooring) [Q40]	44°50.8'N 32°18.1'E
	(18(2738)03 St. Petersburg)	
55133	3Ed. 1/27/96 LAST NM 14/03	34/03
Add	Buoy YBY, pillar, double cone topmark points together, Q(9) 15s	44°04'49"N 39°04'04"E
	(Plan)	
Add	Buoy YBY, pillar, double cone topmark points together, Q(9) 15s	44°04'49.1"N 39°04'04.3"E
	(35(5383)01 St. Petersburg)	
55140	2Ed. 9/28/96 LAST NM 33/03	34/03
Delete	"DANGER AREA" centered Buoy	44°57.5'N 35°28.4'E 44°57.5'N 35°28.4'E
Add	Buoy (mooring) [Q40]	44°58.6'N 32°17.6'E
	Buoy (mooring) [Q40]	44°50.8'N 32°18.1'E
	(18(2738, 2739)03 St. Petersburg)	
61111	12Ed. 2/15/97 LAST NM 27/03	34/03
Relocate	Buoy "Pilot" from 25°56'00"S 32°44'19"E to 25°55'56"S 32°44'29"E and change designation to "6/Pilot"	
	Buoy "13A" from 25°58'34"S 32°37'13"E to 25°58'38"S 32°37'02"E	
	(4(08MOZ)02 Cape Town; BA CH 646)	
61610	7Ed. 9/20/97 LAST NM 29/02	34/03
Delete	Depth 91 meters "Rep (1983)" PA (NTM0021/2003)	7°14.2'S 72°21.7'E
61611	11Ed. 12/23/00 LAST NM 28/02	34/03
Delete	Depth 91 meters "Rep (1983)" PA and enclosing depth contour (100-meter) centered 7°14'12.0"S 72°21'43.0"E (NTM0021/2003)	
61612	4Ed. 6/15/91 LAST NM 28/02	34/03
Delete	Depth 91 meters "Rep (1983)" PA and enclosing depth contour (100-meter) centered 7°14'12"S 72°21'43"E (NTM0021/2003)	
71281	7Ed. 11/9/96 LAST NM 51/02	34/03
Delete	Light (14(398)00 Wollongong)	12°11'12.0"S 96°49'34.0"E
74003	5Ed. 10/21/95 LAST NM 31/03	34/03
Delete	Dangerous wreck	26°58.3'S 153°29.6'E
Add	Depth 15.4 meters Wk [K26] (14(386)00 Wollongong)	26°58.3'S 153°29.5'E
74152	11Ed. 7/29/95 LAST NM 30/03	34/03
Add	Chartlet, depicting changes in hydrography, topography and aids to navigation from Subsection I-2 32°54'54.0"S 151°45'49.0"E (3(93)03 Wollongong; Aus CH 208)	
74181	8Ed. 7/26/97 LAST NM 10/03	34/03
Delete	Dangerous wreck	26°58'18"S 153°29'34"E
Add	Depth 15.4 meters Wk [K26] (14(386)00 Wollongong)	26°58'19"S 153°29'29"E
74182	12Ed. 2/13/99 LAST NM 25/03	34/03
Delete	Dangerous wreck	26°58'18"S 153°29'34"E
	Depth 8.8 meters	26°58'24"S 153°29'28"E
	Solid line and legend "Jetty" in vicinity 27°30'27"S 153°20'22"E	
Relocate	Buoy from 27°22'27"S 153°24'20"E to 27°22'29"S 153°24'32"E	
	Buoy from 27°23'08"S 153°23'49"E to 27°23'12"S 153°23'54"E	
Add	Depth 15.4 meters Wk [K26] 26°58'19"S 153°29'29"E	
	Buoy R, can, can topmark, Fl R 6s 27°22'22"S 153°24'11"E	
	Light Fl G 3s to beacon 27°34'52"S 153°19'50"E	
	Beacon, can topmark, Fl R 4s 27°34'59"S 153°22'15"E	
	Beacon, cone topmark, Fl G 4s 27°34'37"S 153°22'01"E	
	Beacon, cone topmark, Fl G 2.5s 27°34'18"S 153°21'43"E	
	(14(386-388)00 Wollongong)	
74184	10Ed. 11/28/98 LAST NM 17/03	34/03
Delete	Dangerous wreck	26°58'18"S 153°29'34"E
	Depth 8.8 meters	26°58'24"S 153°29'28"E
Add	Depth 15.4 meters Wk [K26] (14(386)00 Wollongong)	26°58'19"S 153°29'29"E
74190	7Ed. 6/14/97 LAST NM 31/03	34/03
Delete	Dangerous wreck	26°58.3'S 153°29.6'E
Add	Depth 15.4 meters Wk [K26] (14(386)00 Wollongong)	26°58.3'S 153°29.5'E
75191	6Ed. 6/10/95 LAST NM 30/03	34/03
Add	"Marine Farm (see Note)" area bound by dashed line joining	43°18'22"S 147°07'14"E 43°18'24"S 147°07'28"E 43°19'03"S 147°06'59"E 43°18'59"S 147°06'37"E
	"Marine Farm (see Note)" area bound by dashed line joining	43°15'49"S 147°07'00"E 43°15'52"S 147°07'20"E 43°16'10"S 147°07'28"E 43°16'19"S 147°07'02"E
	(14(402)00 Wollongong)	

SECTION I

NM 34/03

★96032	3Ed. 8/5/95	LAST NM 38/02	34/03	Ra ref [S4] to buoy (NIMA; Jpn CH W1101)	33°50'00"N 131°12'50"E
	Add	Superbuoy ODAS [Q58] "46035" Y, Fl(4) Y 20s (26/03 CG17)	57°03.0'N 177°34.6'W		
★96764	3Ed. 6/14/03	NEW EDITION (NIMA)	34/03	★97400	4Ed. 5/3/03 NEW EDITION Substitute Depth 32 meters R [K14.1] for 32 meters 33°04'43.5"N 129°36'55.0"E
★96904	3Ed. 5/31/03	NEW EDITION (NIMA)	34/03	Add	Danger circle [K40] "Obstn (marked by buoys)" 33°08'40.6"N 129°42'30.0"E (NIMA; NTM0015/2003; Jpn CH W1233)
97062	12Ed. 12/6/97	LAST NM 26/03 Add Legend "Lesser depths reported (2003)" between 38°16'57.0"N 141°04'42.0"E 38°17'50.0"N 141°05'51.0"E (27(1038)03 Tokyo)	34/03	801885	3Ed. 9/30/89 LAST NM N28/02 Delete Depth 91 meters "Rep (1983)" PA and enclosing depth contour (100-meter) centered 7°14'12"S 072°21'43"E (NTM0021/2003)
97082	5Ed. 12/20/97	LAST NM 16/03 Substitute Depth 4.9 meters for 5.9 meters R 38°17'51.9"N 141°05'38.2"E CAUTIONS note for same from Subsection I-2 38°17'06.0"N 141°02'21.0"E Add "CAUTION NO 4" area bound by purple dashed line joining 38°18'03.0"N 141°05'25.0"E 38°18'08.0"N 141°05'39.0"E 38°18'08.0"N 141°06'03.0"E 38°16'50.0"N 141°06'03.0"E 38°16'50.0"N 141°04'42.0"E 38°17'25.0"N 141°04'42.0"E 38°17'25.0"N 141°05'25.0"E Depth 4.9 meters 38°18'01.6"N 141°05'57.4"E Depth 4.3 meters 38°17'58.8"N 141°05'45.8"E Depth 3.9 meters 38°17'52.8"N 141°05'55.9"E Depth 2.7 meters 38°17'46.1"N 141°05'36.5"E Depth 3.8 meters 38°17'43.5"N 141°05'38.9"E Depth 4.8 meters 38°17'34.8"N 141°05'49.2"E Depth 4.6 meters 38°17'33.1"N 141°05'54.2"E Depth 4.6 meters 38°17'29.9"N 141°05'39.6"E Depth 3.6 meters 38°17'23.6"N 141°04'59.2"E Depth 4.4 meters 38°17'22.5"N 141°05'12.6"E Depth 2.8 meters 38°17'16.1"N 141°05'11.5"E Depth 3 meters 38°17'05.1"N 141°04'52.6"E (27(1038)03 Tokyo)	34/03		
97083	3Ed. 11/29/97	LAST NM 29/03 Substitute CAUTIONS note for same from Subsection I-2 38°17'00.0"N 141°00'18.0"E Add "CAUTION NO 1" area bound by purple dashed line joining 38°17'49.3"N 141°06'03.0"E 38°16'50.0"N 141°06'03.0"E 38°16'50.0"N 141°04'42.0"E 38°17'25.0"N 141°04'42.0"E 38°17'25.0"N 141°05'25.0"E 38°17'49.3"N 141°05'25.0"E Depth 2.7 meters 38°17'46.1"N 141°05'36.5"E Depth 3.8 meters 38°17'43.5"N 141°05'38.9"E Depth 4.8 meters 38°17'34.8"N 141°05'49.2"E Depth 4.6 meters 38°17'33.1"N 141°05'54.2"E Depth 4.6 meters 38°17'29.9"N 141°05'39.6"E Depth 3.6 meters 38°17'23.6"N 141°04'59.2"E Depth 4.4 meters 38°17'22.5"N 141°05'12.6"E Depth 2.8 meters 38°17'16.1"N 141°05'11.5"E Depth 3 meters 38°17'05.1"N 141°04'52.6"E (27(1038)03 Tokyo)	34/03		
97227	11Ed. 9/20/97	LAST NM 30/03 Delete Legend "CAUTION NO 1" in vicinity 34°36'05.0"N 135°26'26.0"E Change Caution No. 1 of "CAUTIONS" note to "1. Reserved." 34°36'48.0"N 135°27'36.0"E Caution No. 2 of "CAUTIONS" note to "2. Reserved." 34°36'48.0"N 135°27'36.0"E Caution No. 3 of "CAUTIONS" note to "3. Reserved." 34°36'48.0"N 135°27'36.0"E (7(216)03 Tokyo; Jpn CH 1146)	34/03		
★97273	11Ed. 5/31/03	NEW EDITION Add Racon [S3.1] to buoy 33°51'36"N 131°11'48"E	34/03		



SECTION I

NM 34/03

Chart 11505

NM 34/03

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	43.5	43.0	44.0	43.5	05-03	600	3.3	44
BLOODY POINT RANGE	44.5	43.5	44.0	44.0	05-03	600	3.0	44
JONES ISLAND RANGE	44.0	43.0	43.0	44.0	05-03	600	1.2	44
TYBEE KNOLL CUT RANGE	42.5	43.5	44.0	43.5	05-03	500	2.5	42
NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR. NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS. NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11506

NM 34/03

BRUNSWICK HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL (ST SIMON RANGE)	32.5	34.0	A32.0	05-03	500	7.7	32
PLANTATION CREEK RANGE	39.0	40.5	39.5	05-03	400	1.8	32
JEKYLL ISLAND RANGE	29.0	31.5	32.0	05-03	400	1.9	30
CEDAR HAMMOCK RANGE	29.0	30.5	29.5	05-03	400	1.4	30
BRUNSWICK PT CUT RANGE	28.5	29.0	29.0	05-03	400	2.4	30
EAST RIVER							
LOWER REACH	B24.5	28.0	26.0	04-03	400	1.1	30
UPPER REACH	27.0	27.0	25.5	04-03	350	1.0	27
EAST RIVER TURNING BASIN	24.5	24.5	24.5	04-03	750	0.2	30
TURTLE RIVER LOWER RANGE	35.0	30.0	29.0	05-03	300	1.7	30
BLYTHE ISLAND RANGE	31.0	26.0	26.0	05-03	300	1.5	30
TURTLE RIVER UPPER RANGE	28.0	27.0	26.0	05-03	300	1.7	30
SOUTH BRUNSWICK RIVER	31.0	31.0	30.0	05-03	400	1.3	30
A. OBSTRUCTION REPORTED WITH A DEPTH OF 29 FEET, LOCATED AT 31°04'06.6"N; 081°16'35.7"W. B. THE EAST RIVER, LOWER REACH WIDENER LEAST DEPTHS WERE 28.0 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT, AND 30.5 FEET, LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE. NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50 FEET INSIDE THE CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN) NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 11512

NM 34/03

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	43.5	43.0	44.0	43.5	05-03	600	3.3	44
BLOODY POINT RANGE	44.5	43.5	44.0	44.0	05-03	600	3.0	44
JONES ISLAND RANGE	44.0	43.0	43.0	44.0	05-03	600	1.2	44
TYBEE KNOLL CUT RANGE	42.5	43.5	44.0	43.5	05-03	500	2.5	42
NEW CHANNEL RANGE (A)	43.5	42.0	43.0	43.5	05-03	500	1.6	42
L. I. CROSSING RANGE	43.0	43.0	44.0	41.0	05-03	500	2.6	42
LOWER FLATS RANGE	43.0	43.0	45.0	42.0	05-03	500	1.3	42
UPPER FLATS RANGE	43.5	44.0	46.0	41.0	05-03	500	1.2	42
THE BIGHT CHANNEL	44.0	46.5	47.5	45.0	05-03	500	1.5	42
FT. JACKSON RANGE	45.0	47.0	47.0	42.0	05-03	500	0.7	42
OGLETHORPE RANGE	40.0	45.5	45.0	43.5	05-03	500	1.2	42
WRECKS CHANNEL (B)	41.0	46.0	46.0	44.0	05-03	500	1.5	42
CITY FRONT CHANNEL	40.0	44.0	43.0	36.0	05-03	500	1.5	42
MARSH ISLAND CHANNEL (C)	43.0	44.0	44.0	40.5	05-03	500	1.7	42
KINGS ISLAND CHANNEL (D)	42.5	42.0	43.0	41.5	05-03	500	2.1	42
WHITEHALL CHANNEL (E)	29.0	32.5	34.0	37.0	05-03	400	0.6	42-36
PORT WENTWORTH CHANNEL (F)	30.0	32.0	31.5	32.0	12-94; 05-03	200	1.2	30
A. OYSTER BED TURNING BASIN-CONTROLLING DEPTH 42.0 FT, 38.0 FT 100 FT FROM BACKSIDE. B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 40.5 FT, 33.0 FT 100 FT FROM BACKSIDE. C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 34.0 FT, 31.5 FT 100 FT FROM BACKSIDE. D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 40.5 FT, 40.0 FT 100 FT FROM BACKSIDE. E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT 100 FT FROM BACKSIDE. F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 32.0 FT, 28.0 FT 100 FT FROM BACKSIDE. NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR. NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS. NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11514 (Side A)

NM 34/03

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
OGLETHORPE RANGE	40.0	45.5	45.0	43.5	05-03	500	1.2	42
WRECKS CHANNEL (A)	41.0	46.0	46.0	44.0	05-03	500	1.5	42
CITY FRONT CHANNEL	40.0	44.0	43.0	36.0	05-03	500	1.5	42
MARSH ISLAND CHANNEL (B)	43.0	44.0	44.0	40.5	05-03	500	1.7	42
KINGS ISLAND CHANNEL (C)	42.5	42.0	43.0	41.5	05-03	500	2.1	42
WHITEHALL CHANNEL (D)	29.0	32.5	34.0	37.0	05-03	400	0.6	42-36
PORT WENTWORTH CHANNEL (E)	30.0	32.0	31.5	32.0	12-94; 05-03	200	1.2	30
A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 40.5 FT, 33.0 FT 100 FT FROM BACKSIDE. B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 34.0 FT, 31.5 FT 100 FT FROM BACKSIDE. C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 40.5 FT, 40.0 FT 100 FT FROM BACKSIDE. D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT 100 FT FROM BACKSIDE. E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 32.0 FT, 28.0 FT 100 FT FROM BACKSIDE. NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR. NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS. NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

SECTION I

NM 34/03

Chart 11521

NM 34/03

CHARLESTON HARBOR ENTRANCE								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
FORT SUMTER RANGE	46.8	47.8	47.5	47.0	4-03	1000	14.8	47
MOUNT PLEASANT RANGE	46.0	46.5	45.9	47.2	2-03	1000-600	1.6	45
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11523

NM 34/03

CHARLESTON HARBOR ENTRANCE								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
FORT SUMTER RANGE	46.8	47.8	47.5	47.0	4-03	1000	14.8	47
MOUNT PLEASANT RANGE	46.0	46.5	45.9	47.2	2-03	1000-600	1.6	45
REBELLION REACH	46.6	47.4	46.9	47.2	2-03	600	1.4	45
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

SECTION I

NM 34/03

Chart 11524

NM 34/03

CHARLESTON HARBOR, COOPER RIVER AND SHIPYARD RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- SURVEYS TO APR 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
FORT SUMTER RANGE	46.8	47.8	47.5	47.0	4-03	1000	14.8	47
MOUNT PLEASANT RANGE	46.0	46.5	45.9	47.2	2-03	1000-600	1.6	45
REBELLION REACH	46.6	47.4	46.9	47.2	2-03	600	1.4	45
SHUTES-FOLLY REACH	47.6	47.3	47.3	47.8	2,3-03	600-800	1.3	45
HORSE REACH	47.5	48.3	48.2	44.6	5,11-02	800	0.5	45
CUSTOMHOUSE REACH	34.9	48.3	48.1	46.2	5-02;2,3-03	1385	0.2	45
SOUTH CHANNEL	24.4	24.8	24.5	A24.3	10-96	600-1000	3.1	45
HOG ISLAND REACH	46.1	47.1	43.6	39.2	11-02;2,3-03	600-1300	1.5	45
DRUM ISLAND REACH	44.6	47.6	48.2	44.1	1-03	600-1300	0.7	45
TOWN CREEK LOWER REACH	34.4	38.3	38.2	35.8	2,3-03	400-450	1.1	45
TURNING BASIN	36.5	34.3	34.2	33.4	5-02	250	0.25	35
TOWN CREEK UPPER REACH	35.2	40.2	40.9	40.5	11-01;5-02	250	1.0	16
MYERS BEND	42.0	47.2	47.8	48.1	11-01;1-03	600-900	0.4	45
DANIEL ISLAND REACH	47.0	47.3	45.9	39.5	1-03	880-980	1.2	45
DANIEL ISLAND BEND	48.0	48.4	48.8	48.0	1-03	700-780	0.4	45
CLOUTER CREEK REACH	40.3	42.6	42.8	40.5	1-03	600	0.9	45
NAVY YARD REACH	39.8	42.3	40.9	36.0	1-03	600-700	1.1	45
NORTH CHARLESTON REACH	36.0	42.4	42.6	43.1	1-03	500-600	1.0	45
FILBIN CREEK REACH	39.8	41.3	43.2	43.5	10-02;1-03	500	0.6	45
PORT TERMINAL REACH	36.7	42.6	41.8	41.4	10-02	600	0.7	45
ORDNANCE REACH	37.8	35.8	36.3	36.9	10-02	600	0.3	45
ORDNANCE REACH TURNING BASIN	44.6	43.9	43.1	43.0	10-02	800	0.26	45
WANDO RIVER								
LOWER REACH	44.3	45.6	46.2	38.4	5-02;1-03	1500-400	1.3	45
UPPER REACH	B41.5	B43.0	B47.2	B44.7	1-03	400-850	0.74	45
TURNING BASIN	40.6	38.1	43.3	43.3	1-03	550	0.3	45
SHIPYARD CREEK								
MAIN CHANNEL	26.2	27.4	29.0	27.2	8,10-00	1200-300	1.0	30
LOWER TURNING BASIN	37.9	38.9	40.0	40.8	8,10-00	700	0.2	38
UPPER TURNING BASIN	22.0	23.4	23.7	24.7	8,10-00	600	0.15	30
COOPER RIVER								
RANGE A	38.7	37.4	38.3	38.9	7,8-98;12-99	400-1350	1.02	35
RANGE B	20.5	25.2	36.4	37.0	12-99	VARIES	0.74	35
RANGE C	20.6	26.1	38.3	36.1	7,8-98;12-99;1-00	VARIES	0.76	35
RANGE D	30.2	37.4	37.8	37.1	2-00	VARIES	0.58	35
RANGE E	32.1	34.8	38.2	36.3	1-95	VARIES	0.38	35
RANGE F	25.0	36.6	35.2	33.9	1-95	VARIES	0.29	35

A. ALONG CHANNEL EDGE.
B. FROM BOUY 8 TO END OF REACH SHOALING OCCURS WITH MIN DEPTH OF 31 FT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 25683

NM 34/03

PONCE HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	38.5	39.3	39.6	38.0	4-03	600-1200	2.9	36
TURNING BASIN	35.9	35.3	35.1	36.5	4-03	1200-780	0.4	36

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 97082

NM 34/03

CAUTIONS

1. Depths of up to 2.7 meters less than charted may exist within the area.
2. Depths of up to 3 meters less than charted may exist within the area.
3. Depths of up to 4 meters less than charted may exist within the area.
4. Depths of up to 5 meters less than charted may exist within the area.

Chart 97083

NM 34/03

CAUTIONS

1. Depths of up to 5 meters less than charted may exist within the area.
2. Depths of up to 4 meters less than charted may exist within the area.

SECTION I

NM 34/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 20/02 THROUGH NM 34/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12	1	45/02	11309	36	21,26,28,36,46/02;1,6,7,22,24,25,32/03	11362	4	N22,N23,N24,N28,N29,N31,N33,N36,N39,N40,N47/02;N2,N5,N6,N8,N19,N23,N24,N25,N26,N27,N29,N30,N34/03	11449	16	7/03
20	3	18/03	11310	1	N21,N46/02;N22,N23,N32/03	11363	38	26*,29,35,38,40,43,49,51/02;4,5,7,18,19,20,21,22,24,26,27,34/03	11450	8	26*,28/02;15,22,25/03
22	1	18/03	11311	23	21,46/02;26/03	11364	39	3*,4,5,8,9,18,19,21,23,25,26,27,30,33,34/03	11451	31	20*,22,25/03
50	6	32*,34/03	11312	3	21,26,28,36,46/02;1,6,7,22,23,32/03	11365	17	52/02*;9,32,34/03	11452	21	31/02*
53	2	34/03	11313	22	31/02;22,27/03	11366	7	48*,51/02;5,6,7,8,19,21,23,24,26,27,29,30,34/03	11453	16	7/03
70	4	7,34/03	11314	22	17*,21,22,32/03	11367	31	25,33/02;19,21,23,26,30,33,34/03	11460	38	36*,50/02;6,13,15,21,23,25,31,34/03
71	4	7,34/03	11315	30	37/02*	11368	22	38/02*;19,21,23,30,33,34/03	11461	5	28/02;7,15,25/03
72	4	7/03	11316	39	17*,22,26,29,34/03	11369	44	9*,18,19,21,27/03	11462	24	22*,28/02;22,25/03
73	4	34/03	11317	29	20*,21,25,37,40,49/02;16,19,20,21,23,26,29,30,34/03	11370	23	31,33,40,51/02;9,21,23,24,26,31,33,34/03	11463	17	24/03*
101	3	48/02	11318	1	N21,N29,N46/02;N6,N24,N25/03	11371	35	7,24,26,27,31/03	11464	16	28/02;7,25/03
103	5	16/03	11319	31	17*,19,20,25,26,29,30,34/03	11372	30	2*,7,8,10,19,23,24,26,27,31/03	11465	36	52/02*;22/03
108	9	32,35/02;34/03	11320	1	N28/02;N22,N23,N24/03	11373	42	31*,33,37,40,41,42,45,49/02;7,9,19,20,21,23,24,25,26,27,29,34/03	11466	36	30*,31/03
124	10	18,34/03	11321	29	22,28,39,40,41,45/02;23,31,34/03	11374	31	45*,49,50/02;1,2,7,8,9,19,20,23,24,26,27,29,34/03	11467	37	47*,50/02;4,12,21,23/03
125	7	21/03	11322	28	19*,20,23,30,34/03	11375	35	1*,2,5,7,9,20,23,24,27,29/03	11468	39	42*,43,49/02
126	39	21/03	11323	59	26*,28,33,37,39,45/02;1,6,7,9,20,23,27,29,31,34/03	11376	48	21,22,23,25,27,29,31,40,43,50/02;2,7,19,20,21,22,23,24,25,26,30/03	11469	5	24,27,35,50/02;7,9,12,21,23,31/03
301	1	2/03	11324	32	22*,24,25,31,33,37/02;1,6,7,9,10,16,20,21,23,25,29,30,31/03	11377	4	26*,40,50/02;2,20,21,22,23,24,25,26/03	11470	36	10*,12/03
310	20	2,14,21,24/03	11325	35	26/03*	11378	32	11*,12,18,20,21,22,24,26,30/03	11472	31	8*,25/03
400	3	23,26,31,32,33,35,45/02;29,33,34/03	11326	31	7*,9,16,20,21,22,23,24,30,31,33/03	11382	39	46/02*;9,25,26/03	11473	10	6,17/03
401	5	22,23,26,31,33,35,45/02;14,29,33,34/03	11327	30	21,22,24,28,37,49/02;1,16,19,20,22,24,29,30,33/03	11383	49	22,27,30,32/02;9,18,26,30/03	11475	16	27,51/02;13/03
411	49	19*,22,23,24,25,26,29,30,31,33/03	11328	22	21,36,37,39,47,49/02;4,6,16,20,21,22,30/03	11384	33	30/03*	11476	19	6,34/03
500	8	32*,34/03	11329	34	21,24,36,37,39,47,49/02;1,4,8,10,16,21,22,30/03	11385	25	23/02*	11478	20	32/03*
501	12	9*,10,18,21,22,24/03	11330	14	2*,4,6,7,8,17,19,20,21,22,23,27,30,31,34/03	11386	16	24,34/03	11479	4	N24,N27,N28,N29,N35,N50/02;N6,N23,N25,N31,N34/03
502	2	52/02	11331	18	23/02;8,19,23,30,34/03	11387	32	23,28,33,37/02;2,7,32/03	11480	38	30/03*
507	2	45/02	11332	28	42*,43,49,51/02;6,17,19,20,23,25,31,34/03	11389	22	23*,27,33,34,37/02;7,21,30,32/03	11481	4	42*,49/02;6,12,13,19,28,34/03
508	2	24,45/02	11333	1	N28/02	11390	22	23,33,34/02;7,21,32/03	11484	21	34/03
513	6	38/02;34/03	11334	67	2*,5,6,7,8,9,14,17,18,19,21,22,23,24,25,26,27,29,30,31,32,34/03	11391	22	34/02;21,32/03	11485	33	22/03*
520	127	20,38/02;34/03	11341	39	14*,17,21,22,23,25,31,34/03	11392	6	34/02;21,32/03	11488	24	7,17/03
521	11	34/03	11342	52	27*,29,31,34/03	11393	20	30/03	11489	34	8*,12,20,22,31/03
523	8	34/03	11343	36	21,23,37,40,49/02;4,8,17,19,20,23,30,34/03	11400	34	23,39/02;4,9,11,12,13/03	11491	33	22,28,29,30,34,37,38/02;12,30,34/03
524	12	47/02;34/03	11344	35	9*,19,22,23,26,27,29,31,34/03	11401	29	23/02;27/03	11493	9	N24,N39/02;N12,N20,N22,N31/03
526	10	47/02;6/03	11345	31	9/03*	11402	21	30*,34/03	11494	8	N24,N39/02;N22/03
530	30	22*,26,37,38,40,52/02;6,10,18,21,22,24,34/03	11347	33	42*,43,47,49/02;4,6,7,8,19,20,21,23,25,26,27,29,31,32/03	11404	21	23,50/02;9,19,27/03	11496	9	N32,N35/02;N1,N17,N19,N34/03
531	21	47,52/02;21,24,32,34/03	11348	19	23/02;6,7,20,25,27,31,32/03	11405	28	31/02*;9,19,27,30/03	11502	28	14,17,20,22/03
532	17	38/02;34/03	11349	40	38*,42,51/02;23,26,27,31/03	11406	11	9/03	11503	39	38*,39,43/02;12,14,17,20,22,31/03
540	16	51/02;16,30/03	11351	38	20*,22,23,25,27,30,31,34/03	11408	28	3/03*	11504	15	12,22/03
541	2	6/03	11352	36	3*,7,8,9,20,22,24,26,31,34/03	11409	28	32/03*	11505	1	26,28,31,34,40,49/02;1,4,5,11,22,34/03
542	2	24,45/02;6/03	11353	2	21*,24,25,26,35,38,43,45,49/02;4,5,7,18,20,21,26,27,31,34/03	11411	14	43*,45/02;7,20/03	11506	40	10*,19,22,28,34/03
543	2	6/03	11354	24	26*,31,34/03	11412	41	42*,45/02;1,6,7,11,12,13,14,20/03	11507	31	9*,12,20/03
544	2	6/03	11355	24	37*,40,51/02;22,25/03	11415	5	42*,45/02;1,2,7,14,20/03	11508	21	10/03*
545	2	6/03	11356	34	28,29,39,40,42,45,47,51/02;6,7,19,22,27,30,34/03	11416	5	42,48/02;1,2,6,11,12,14,20/03	11509	27	20/02;1,11,24/03
546	2	6/03	11357	35	36*,37,40,42,51/02;6,9,19,21,23,24,25,26,27,31,32,34/03	11420	27	20*,21,22,25/03	11510	18	34/02
547	2	6/03	11358	51	23*,24,26,27,31,39,42,51/02;7,21,32,34/03	11423	7	N20,N24,N39,N42/02;N4,N8,N15,N21,N22,N25/03	11511	16	11/03
548	2	6/03	11359	11	22*,26,39/02	11424	18	14,25/03	11512	59	10*,11,15,20,22,24,34/03
549	2	6/03	11360	40	1*,2,5,6,8,19,23,24,25,26,27,29,30,34/03	11425	34	46*,49/02;4,25/03	11513	23	32,49/02;1,24/03
550	2	6/03	11361	70	21*,23,24,25,26,30,31/03	11426	35	31/02*	11514	26	37*,40,49/02;4,5,15,22,24,34/03
551	2	6/03				11427	33	2/03*	11516	29	24,37,49/02
552	2	6/03				11428	32	52/02*;6/03	11517	17	32/02;24/03
553	2	6/03				11429	21	47/02*	11518	33	14*,19,28/03
554	2	6/03				11430	25	17/03*	11519	12	28/03*
555	2	6/03				11431	12	31/02*	11520	40	31*,39,40,44,46,51/02;4,6,7,8,19/03
556	2	6/03				11434	24	21/02*;15,21,22/03	11521	26	32,35/02;9,19,24,28,34/03
557	2	6/03				11435	13	N20/02;N8,N15,N21,N22/03	11523	21	32,35,52/02;5,9,19,24,28,34/03
558	2	6/03				11438	11	7,8,21/03	11524	46	8*,11,12,13,15,17,19,20,22,28,34/03
559	2	6/03				11439	25	6,7,15,22/03	11525	6	N23,N39,N40,N44,N46,N51/02;N4,N6,N8,N24/03
560	2	6/03				11441	39	36/02;6,7,15,20/03	11526	10	20/03*
561	2	6/03				11442	33	6,7,15/03	11527	16	37/02;20/03
562	2	6/03				11443	30	7,15/03	11531	21	31/02*;11/03
563	2	6/03				11444	30	36/02;7,15,20/03	11532	20	37/02
564	2	6/03				11445	35	38/02*;20/03	11534	32	17/03*
565	2	6/03				11446	14	7/03	11535	12	25,46/02
566	2	6/03				11447			11536	15	40/02;4,7/03
567	2	6/03				11448			11537	34	21*,23,26/03
568	2	6/03							11539	18	39,44,51/02;6/03
569	2	6/03							11541	33	8*,9,14,22/03
570	2	6/03							11542	15	39/02
571	2	6/03							11543	22	29,39/02;8/03
572	2	6/03							11544	37	36/02*;8/03
573	2	6/03							11545	60	45*,47/02;6,8,14,22,23,24/03

CHARTS AFFECTED BY NOTICE TO MARINERS NM 20/02 THROUGH NM 34/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
11547	35	22*,25,29,30,37,47/02;6,8,14,22,23/03	12324	30	2*,8/03	13270	59	33,34,40,43/02;1,2,7,12/03	14259	3	32/03
11548	38	47/02*	12326	48	27,28/02;4,8,17,19/03	13272	47	28,40/02;8,25/03	14260	47	35/02;26,32/03
11550	28	17/03*	12327	96	1*,2,8,12,13,14,16,18,19,23,29,33,34/03	13274	24	27,45,52/02;1,2,16,32/03	14263	15	26,32,34/03
11553	28	8/03*	12331	30	8*,13,14,18,33/03	13275	27	27,45,52/02;1,2,7,16/03	14280	37	35/02
11555	38	36/02*;7,24/03	12332	21	22,43,46/02;13,18/03	13276	21	27,52/02	14310	2	52/02;12,30/03
12200	47	38*,42,52/02;7,12,18/03	12333	32	46*,47/02;5,12,16,18,23,29/03	13278	25	1,9,32/03	14329	5	32/03
12201	25	N23,N42,N52/02;N7,N12,N18,N24,N32/03	12334	66	30*,34/03	13279	30	20*,32/03	14340	25	26,33,37,40,52/02;12,22,30/03
12204	35	10*,33/03	12335	39	1,8,23/03	13282	11	21/03*	14341	5	12,34/03
12205	27	37*,43,52/02;18,28,33/03	12337	22	20,28,31,45/02;13,18/03	13283	18	1,9/03	14342	20	52/02;30/03
12206	29	31*,33,38,46/02;10,28,33/03	12338	9	21/03*	13285	10	20/03	14344	2	37,40/02
12207	20	23,50,52/02;18/03	12339	43	23/03	13286	29	39*,40,50/02;1,9/03	14345	5	37,40/02;12,22/03
12208	9	23*,28/03	12341	25	22/02*;21/03	13288	40	20,23,29,36,43,50,51/02;29/03	14354	2	32/03
12210	36	8*,33/03	12343	18	37/02*;7,21,27/03	13290	34	20,36,40,43,50,51/02;7,16,29/03	14357		N52/02
12211	41	10/03*	12345	10	42/02*;21/03	13292	36	20*,36,40/02;7,16,29/03	14358		N36/02;N34/03
12214	44	14*,19/03	12347	29	25/02;27,29/03	13293	33	26*,29,43,51/02;14,27/03	14360	36	26,33,36/02
12216	27	47/02*;19/03	12348	33	25/02;27,29,34/03	13295	11	2*,14/03	14373	2	34/03
12221	73	52/02*;1,4,6,7,18,19,25,28,33/03	12350	57	39*,49/02;29/03	13296	25	43/02;27/03	14386	3	36/02
12222	44	26*,28,33,34/03	12352	29	34/02;17/03	13298	10	43,52/02	14415	4	33/02
12224	23	8*,33/03	12354	39	22,28,33,37,45/02;2,6,7,10,23,32/03	13301	20	25,33,51/02;23/03	14500	27	52/02*
12225	54	22*,33/03	12358	19	46*,49/02;1,7,10/03	13302	21	20,25,41/02;2,7,9,32/03	14758		N32/03
12226	16	22,30/02;7/03	12362	16	49/02	13303	12	48/02*;7,9/03	14769		N31/02*
12228	29	43/02*	12363	39	28,44/02;6,23,27,32/03	13305	28	25,40,41,49/02;2,7,9/03	14775	16	26/03
12230	60	30*,34/03	12364	34	20*,23,25,27,32/03	13307	10	23,28/03	14776	16	15/03
12231	26	31,35,46/02;7,30/03	12365	26	6,23/03	13308	11	40/02	14777		N31/02*
12233	35	3*,4,5,6,14,34/03	12366	27	51/02;20,27/03	13309	28	42/02*;9,32/03	14782	24	21,22/02
12235	29	30,31,47/02;4,6,7,17,33/03	12368	26	42/02*;24,25/03	13312	21	10/03*	14785	16	22/02
12237	26	27,47/02;17,25,34/03	12369	25	31*,44/02;32/03	13313	19	21,25,41,49,52/02;6,9/03	14786	13	24/02
12238	37	46/02*;1,4,7,19,25,34/03	12370	18	39/02*	13315	11	49/02	14800	9	23/02
12241	21	34,44/02;7,34/03	12371	23	27/03*	13316	22	28/03*	14803	26	5/03
12245	62	30*,33,34/03	12372	31	45*,47,48/02;2,5,6,23,25/03	13318	18	38*,41,52/02;5,6,21/03	14804	24	20/02*;5/03
12248	39	30,33,40,50/02;4,5,6,8,15,22,30,33/03	12373	14	2/03	13321	9	20/03*	14813	21	2/03*
12251	23	35/02;4,6,7,15,26/03	12375	21	22/02	13323	7	5/03	14816	23	5/03
12252	23	33,34/02;4,7,10,15,17,30/03	12377	14	22,25,37/02	13324	13	41,52/02;2/03	14820	19	11/03*
12253	42	33,38,42,46,50/02;10,13,28,30,33/03	12378	14	2,13,23/03	13325	14	2,29/03	14822	31	10/03*
12254	43	38*,43,44/02;30,34/03	12401	7	31*,47/02;2,13,33/03	13326	12	41,43/02	14823	30	1/03*
12255	15	44/02;30,34/03	12402	8	31*,33,47/02;13,34/03	13392	2	6/03	14824	25	24/02
12256	13	33,44/02;24,30,34/03	13000		N21,N25,N48,N49/02;N21,N26,N29/03	13394	3	39/02*;9,21/03	14826	27	4/03*
12261	28	37*,44/02;7,18,22/03	13003	46	9*,12,18,23,29/03	13396	4	9,19,21/03	14829	5	21/02
12263	51	38/02*;7,18,20,24,25,30/03	13006	30	39*,44,48,49,50/02;1,5,9,17,18,P21,23,26,29/03	13398	3	36/02	14830	30	31*,34/03
12264	28	38/02*;7/03	13009	30	42*,48,49/02;1,9,18,23/03	14002	57	21/02;32,34/03	14832	34	52/02*
12266	27	30/02;20,30/03	13200	33	25,37,48/02;7,9,18/03	14003	6	25,48,49/02;5,9,12,29/03	14833	25	20,26/02
12268	10	22/02*	13201	10	N25,N37,N48/02;N9,N18/03	14008	76	21/02	14835	31	39/02
12270	32	9*,18,24,25,33/03	13203	12	37/02	14010	5	21,35/02;26,32/03	14836	27	42/02*
12272	29	26*,27,36,45/02;13,16,30,33/03	13205	36	37,42,45,48/02;1,5,23/03	14024	5	33,36,39/02;12,22/03	14837	27	26/02*;3/03
12273	53	26*,31,36,45,50/02;5,15,17,19,30,33/03	13209	23	37/02;23/03	14040	65	40/02;34/03	14838	3	52/02*
12274	33	37*,50/02;5,15,17,30,33/03	13211	13	21,23,47/02	14041	12	34/03	14839	36	9/03*
12277	31	26*,50/02;8/03	13212	35	9*,13/03	14042	3	34/03	14842	12	23,39/02;2,4/03
12278	72	26*,36,45/02;19,25,30,33/03	13213	40	14*,25/03	14043	7	21,26/03	14843	22	23,39,51/02
12280	3	37*,43,45,46,47,50,52/02;1,6,7,18,28,33/03	13214	27	34*,45,48/02;5/03	14044	44	6/03	14844	31	4/03
12281	49	12,19,25/03	13215	17	45,48/02;1,5/03	14061	27	6,9/03	14845	26	4/03
12282	33	31*,44/02;7,8,18,19,25,33/03	13216	1	N48/02	14062	17	32/03	14846	11	23,24,39,40/02;2/03
12283	24	8,18,25/03	13218	38	29,42,45,51/02;5/03	14066	19	6,34/03	14847	30	24,40/02
12284	15	7/03	13221	53	29,44,51/02;2,5,7,27/03	14067	11	6/03	14848	56	23,24,31/02;9,17,21,22/03
12285	35	11*,14,19,22,34/03	13223	36	52/02;2/03	14083	30	33/02	14850	51	21*,23/02;7,21/03
12286	29	2*,4,6/03	13224	36	44/02;5,27/03	14087	58	33/02	14852	45	19*,21/03
12288	19	27/02	13226	5	44/02;6,7/03	14088	10	41/02*;34/03	14853	14	26/03*
12289	48	10*,19,22/03	13227	13	7/03	14089	29	41/02*;34/03	14854	13	24/02;17/03
12300	43	19/03*	13228	11	51,52/02	14090	2	33/02	14860	35	21,24/02
12301	21	N20*,N28,N29,N37,N39,N42,N45/02;N5,N17/03	13229	27	39,42,45,52/02;1,7,19/03	14091	6	41/02*	14862	28	26/02*
12304	43	21*,26/03	13230	46	2*,7,19/03	14110	42	32/03	14863	30	24/02
12311	41	28,31,42,50,52/02;8,24,26/03	13232	4	39,42/02	14111	7	14,32,34/03	14864	26	24,37/02
12312	52	10*,15,24,32/03	13233	16	10/03	14112	5	32/03	14865	16	4/03
12313	48	21,27,31,33,43,52/02	13236	29	45/02;1,7,19/03	14144	29	21/02	14867	25	32/02
12314	30	46*,50/02;5,25,33/03	13237	39	27/03*	14146	2	32/03	14871	2	21/02;34/03
12316	29	2*,6,32/03	13241	15	21*,34,42/02	14151	2	37/02;32,34/03	14872	3	21/02
12317	31	26,37,50/02	13244	39	22*,48/02;7,32/03	14169	2	32/03	14873	2	35/02
12318	41	9*,32/03	13246	36	26,27/02;8/03	14180	38	21/02	14880	30	33/02;4/03
12323	23	40/02;4/03	13249	12	22/03*	14183	15	34/03	14881	31	28*,33/02
			13253	18	3*,8/03	14184		N32/03	14883	42	23/02
			13260	38	28*,36,43,48,49,50/02;1,7,9,18,P21,23,26,29,32/03	14204	21	34/03	14885	20	51/02
						14206	20	34/03	14901	14	52/02*;5/03
						14208	28	40/02	14902	28	24,25,31/02;4/03
						14221	26	40,46/02	14903	23	31/03*
						14222	16	46/02	14904	25	31,32,46/02
						14223	18	3,16/03	14905	29	31,35,37/02;5/03
						14225	17	38/02;16,34/03	14906	23	5/03
						14226	32	40/02;6,34/03	14910	23	17/03*
						14227	28	40/02;6/03	14911	20	4/03
						14228	11	40/02;6,32/03	14912	17	31/03*
						14240	6	34/02;1/03	14913	18	31/03*
						14242	13	34/02	14915	25	28/03*
						14243	8	34/02	14916	10	45/02*;17/03
						14244	5	16/03	14917	23	3/03

CHARTS AFFECTED BY NOTICE TO MARINERS NM 20/02 THROUGH NM 34/03

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
14918	26	25/02;17/03	16660	28	22,25,29,42/02;6,16/03	17528		N43/02;N6,N12/03	18500	28	22,32,39/02;12,22,28/03
14919	27	24/02	16662	6	22,29/02	17541	3	43/02	18502	84	30*,32,39,42,49/02;9,21,28,29/03
14922	19	26*,51/02;9/03	16663	6	22,25,29,42/02;6,16/03	17542	6	47/02	18504	65	19/03*
14924	27	28*,32/02;5/03	16665	7	22,25,29,42/02;6,16/03	17543	17	41/02	18520	24	33,39/02;22/03
14926	10	32/03*	16680	10	6,32/03	17545	13	43,47/02	18521	69	34*,39,49/02;4,10,12,21,22,24,29/03
14927	24	21*,31,32,35,37/02	16681	10	37/02*	17546	22	42,43,47/02;24,34/03	18523	53	25,26,33/02;4,12/03
14928	21	4/03*	16682	15	8*,17,19/03	17548	28	16/03	18524	33	26,28,31,33/02;4,6,10,24,29/03
14929	24	14/03*	16683	9	3,6,17,32/03	17549	6	47/02;15/03	18525	33	28,31,33/02;4,9,29/03
14930	24	45/02	16700	27	21*,49,52/02;9,16,22,32,34/03	17550	4	42,43,P44,45,47,48,52/02	18526	55	28,31,33/02;4,18,29/03
14931	24	35/02*	16701	18	21*,52/02;9,22,32/03	18000	8	45/02;6,10,21/03	18527	21	31/02
14932	23	26/03*	16702	10	38,52/02;1,9,13,22,32/03	18002	6	N45/02;N2,N6,N10,N21/03	18528	10	52/02*;18/03
14933	24	35*,37/02	16705	19	49/02;16/03	18003	19	22/03*	18529	10	52/02*
14934	27	17*,26/03	16707	10	34,37/02;16,20/03	18005	4	N20,N34/02;N6,N10,N13,N21,N26/03	18531	20	26,31,34/02;9,10/03
14937	24	52/02*;2,17/03	16708	25	37,49/02;16,20/03	18006	3	N6/03	18532	20	10/03
14942	25	35/02	16709	22	49/02	18007	31	20,26,33,34,37,38,39,40,47,52/02;18,22,24,26/03	18541	8	21/02*
14963	20	51/02	16712	1	16/03	18008	7	N20,N26,N33,N34,N37,N38,N39,N40,N47,N52/02;N18,N22,N24,N26/03	18548	5	8/03*
14965	21	11/03*	16713	2	49/02	18009	2	N34/02;N6,N13,N26/03	18558	37	39/02
14966	25	14*,21/03	16741	9	46/02	18010	20	33,34,37,38,39,40/02;6,13,26,33/03	18561	11	33,39/02;10/03
14967	22	5/03	16760	10	51/02;28/03	18020	36	20,34,37,45/02;6,10,13,21,26/03	18580	21	26,33,38,39/02
14970	25	40,46,51/02	16761	16	28/03	18022	33	23,34,37,45/02;6,10,13,21,25,33/03	18581	17	49/02*;4/03
14972	25	21/02	16762	9	26/02*	18400	43	2*,6,16,18,22,30,32/03	18583	38	31,33,42,49/02;12/03
14973	27	15/03*	17003	4	47,52/02;24/03	18401	12	34/03	18584	47	30,39,49/02;4,6,30/03
14974	24	32/02	17005	10	41,45,47,52/02;24,34/03	18403	21	6,20/03	18587	68	25,30,33,39,42/02;4,6,9,10,21,27/03
14975	33	52/02*	17008	12	43/02	18405	12	43/02;16/03	18588	37	22/03*
14995	11	52/02*	17300	30	52/02*;21/03	18406	5	16/03	18600	14	33,37,38,40/02
15043	3	34/03	17302	18	21*,51/02	18411	10	N16,N20/03	18601	13	10/03
15044	3	34/03	17303	9	37/02	18412	10	20/03	18602	12	26/03*
15066	5	32/03	17315	23	2*,16,21,25/03	18413	15	20,22/03	18603	16	9*,10/03
15313	1	15/03	17316	20	28/02*;3,25/03	18414	9	20/03	18620	23	35/02*
15562		N41/02;N16/03	17320	15	13,29,34/03	18415	8	42/02;7,22,32/03	18622	52	26,28,49/02;21,25,27/03
15569		N23/03	17323	10	13,22,29/03	18416	6	P44,48/02;22/03	18623	11	34/02
15570		N23/03	17325	7	29/03	18418	6	15/03	18626	15	37/02;10/03
15585		N14/03	17327	20	5/03	18419	11	47/02;12/03	18640	24	24/02;26/03
15744		N30/02	17360	33	31/03*	18420	1	22/03	18643	17	26*,33/03
15880		N41/02	17379	1	20/02	18421	45	2*,18,20,22,32/03	18645	24	50/02;33/03
15954		N47/02*	17382	15	20/03*	18423	33	1*,5,7,9,15,18,30,32,34/03	18647	15	2/03*
16003	16	13/03	17383	1	31*,49/02;8/03	18424	25	7/03	18649	62	20,23,33,36,38,41/02;4,6,21,26,33/03
16004	11	13,17/03	17384	7	44/02	18427	21	35/02*;7,19/03	18650	51	28*,33,38,41/02;4,21,26,33/03
16006	33	6,32/03	17385	14	14/03*	18429	9	3*,22/03	18651	42	15/03*
16011	35	38/02;8,29,31,32/03	17400	16	36/02;10,12/03	18430	7	28/02*;6,7,22/03	18652	31	20,23,26,27,30,33,38,41,49/02;4,6,7,12,16,21,26,28,33/03
16012	21	38/02;34/03	17401	10	1/03	18431	6	2/03*	18653	9	36,38,41/02;4,6,21/03
16013	28	22,29,52/02;21,29,32,34/03	17402	10	46/02*	18432	5	14/03*	18654	42	28*,38,49/02;12,16/03
16016	19	34/03	17405	14	12,25/03	18433	5	2*,22,32/03	18655	58	49/02;12,16/03
16042	7	39/02*	17406	6	25/03	18434	4	26,P44,48/02;6,9/03	18656	53	19*,21,33/03
16061	8	27,37,49/02;13,17/03	17409	10	39/02*	18440	26	3*,15,18,22,28,30,32,34/03	18657	18	26,27,30/02;4,21/03
16300	8	52/02;3,8/03	17413	2	43,50/02;10/03	18441	42	30*,32,39/02;6,7,9,15,18,28,30,32,34/03	18658	29	23,26,27/02;4,21,33/03
16305	9	8/03	17414	3	41/02	18443	15	39/02;6,34/03	18659	14	26,30,49/02;7,16,21/03
16322	7	8/03	17416	3	10,14/03	18444	15	39/02;34/03	18660	2	29/03*
16363	12	38/02*	17420	26	36,37,42,43,50/02;1,10,12,14,20/03	18445	29	22,28,32,33,39/02;6,7,9,10,15,18,22,25,28,34/03	18661	27	15*,16/03
16381	8	8,25/03	17422	8	52/02*	18446	15	6,7,9,18,19/03	18662	20	30/02;7/03
16435	5	27/02	17426	13	37/02;1,16,20/03	18447	26	27,52/02;6,7,10,18/03	18663	5	14/03*
16440	13	37/02	17427	7	21/03	18448	32	33/02;10,15,22,34/03	18666	1	26/02;21,33/03
16441	7	37/02	17428	7	5/03	18449	17	7,34/03	18680	30	6,13,33/03
16442	6	37/02	17429	2	N38/02*	18450	17	9/03*	18685	31	25/02;6,12/03
16480	10	38/02;34/03	17430	10	5/03	18452	16	34/03	18687	13	8/03*
16500	9	9,33/03	17434	11	5/03	18453	24	14*,25/03	18700	21	34,36,37/02;4,6,10,13,21,33/03
16520	21	2,31,33/03	17436	6	20/03	18455	2	N22,N39/02;N15,N34/03	18704	12	37/02
16521	5	27/02	17437	8	21/03	18458	15	19*,28,34/03	18720	31	23,35/02;4,6,10,12,25/03
16528	16	9,33/03	17438	12	50/02;10,14,15,21/03	18459	5	N22,N32,N39/02;N9,N15,N28,N34/03	18721	11	35/02;6,10/03
16529	14	50/02;9,33/03	17441	7	10,15/03	18460	11	2*,6,7/03	18723	3	6/03
16530	6	50/02;33/03	17443	12	10/03	18461	23	24*,30/03	18724	1	22*,25/03
16535	12	2,21,31/03	17445	2	10,14/03	18465	35	2*,15,30/03	18725	27	32/03*
16549	14	4,16/03	17446		N10/03	18468	17	7/03	18740	39	20,23,34,37,45,50/02;5,6,12,25,27/03
16553	3	17/03	17460		N5/03	18471	8	32/02;7,15,30,32/03	18741	18	N25,N45,N50/02;N12,N27/03
16556	4	8/03*	17465	4	6,12/03	18473	7	4*,18,19,34/03	18744	30	37/02
16561	1	29/03	17470		N23/03	18474	7	45/02*;7,10,15,22,25,34/03	18749	38	20,23,25,27,40/02;5,6,16,21,26,28,31/03
16566	10	29/03	17471		N6/03	18476	4	22,32,39/02;7,9,28,34/03	18751	42	20,25,27,40/02;5,6,16,21,26,28,31/03
16568	12	39/02*	17472	4	5,14/03	18477	5	7/03	18754	16	36/02
16575	1	39/02	17480	4	43/02;5,10/03	18480	29	2*,6,7/03	18757	10	13/03
16576	3	42/02;6/03	17482		N7,N14/03	18484	10	28,40/02;15,29/03	18758	6	35/02*;16,33/03
16580	11	39/02	17489	19	43/02	18485	15	2*,10,29/03	18760	6	N23,N34,N35,N45,N50/02;N6,N25/03
16590	10	38/02*	17495	2	43/02						
16592	9	16/03	17503	4	43/02						
16593	11	14/03*	17513		N42,N43/02;N15/03						
16594	13	2/03	17515	7	6,15,16/03						
16595	14	2/03	17517	8	6,15,16,34/03						
16596	12	39/02*	17518	7	P44,48/02;16,18,20/03						
16597	8	43/02	17519	13	16/03						
16598	9	43/02	17520	2	N6,N16,N34/03						
16599	6	43/02	17521		N15/03						
16603	7	42/02;6/03	17522		N15/03						
16604	11	22/02*	17523		N15/03						
16606	11	37/02*;21/03	17524		N12,N15/03						
16608	3	6/03	17525		N15/03						
16640	24	21/03	17526		N15/03						
16646	12	8/03									

CHARTS AFFECTED BY NOTICE TO MARINERS

NM 20/02 THROUGH NM 34/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
18761	2	N20/02	21401	20	7/03	22344	6	N23/03*	24080	5	29/02;17/03
18762	15	20/02	21441	27	34,44/02	22345	11	42/02;24/03	24091	6	26/02;6,21/03
18763	9	20/02	21478	3	9,16/03	22347	6	N23/03*	24092	14	26/02;6/03
18765	15	25,45,50/02;12,27/03	21510	1	9,16/03	22351	1	N43/02;N12/03	24100	5	27,29/02
18766	7	25,45,50/02;12,27/03	21520	1	29/03	22352	6	12,19,24/03	24101	3	37,41/02
18768	4	N25,N45,N50/02;N12,N27/03	21521	14	29/03	22360	2	19/03	24102	3	37,41/02
18769	2	N20/02	21563	3	45/02	22361	2	N10,N30,N32,N33,N34/03	24110	3	27,29/02
18772	47	21/03*	21601	4	31/03	22370	2	15,19,26,30,33,34/03	24130	14	24,29/02;5/03
18773	38	20,23,25,50/02;10,12,13,27,33/03	21602	1	28/02	22371	5	30,32,33/03	24133	6	31/03
18774	10	35/02*;10,16/03	21603	9	5,31/03	22373	1	N50/02;N10,N24,N30,N32,N33,N34/03	24140	18	32/02
18775	2	N20/02	21605	7	31/03	22375	1	N10,N15,N26/03	24141	4	5/03
19002	9	N23,N25,N37,N51/02;N16,N23,N29/03	21661	12	6/03	22377	1	N10,N13/03	24142	43	5,6/03
19004	36	23,25,35,37,51/02;23,29,30/03	22004	38	20,23,30,32,34,36,39,41,43,52/02;16,29/03	22379	1	N50/02;N10,N30,N32/03	24149	1	32/02
19007	16	51/02;16,23,29,30/03	22008	35	30,34,36,39,41,43,44,48,52/02;6,14,17,29,32/03	22381	1	N43/02	24150	27	27,29,30,32/02
19008	4	16,23,29/03	22012	31	30,34/02;6,29,32/03	22395	2	42/02;15,19,22,26,30/03	24151	4	29,32/02
19009	4	16,23,29/03	22032	20	19/03	22401	4	N23*,N30/03	24152	2	30/02
19010	17	45*,51/02;23,29/03	22036	28	47/02	22403	1	N45/02	24153	6	30/02
19013	16	25,51/02;29,30/03	22050	4	12,26/03	22404	15	46/02	24156	2	22/02
19019	9	28/03*	22051	18	28/02	22406	1	N1/03	24159	1	27/02
19320	16	23,27,35,37,51/02;5,16,23/03	22052	6	28,46/02;25,34/03	22407	1	N4,N11,N18,N30/03	24160	21	27,28/02
19324	22	27,35/02;5,23/03	22080	3	20,32/02	22408	1	N10,N21/03	24161	11	27,42/02;7,28,32/03
19327	10	23/02;23/03	22082	4	13,25/03	22409	4	N45/02;N10,N17,N22/03	24162	9	22,27,42/02;6,7,28,32/03
19330	9	27/03	22084	4	42/02	22410	32	43,44,46/02;19,23/03	24164	6	27/02
19331	7	23/03	22090	2	30,32,43/02;4,17/03	22413	1	N45/02;N22/03	24170	14	5,6/03
19339	1	N25,N35,N49,N51/02;N5,N13,N30/03	22100	3	20,32/02;12/03	22417	1	N10,N25/03	24171	19	5,6/03
19340	26	25,35,49,51/02;5,13,29,30/03	22101	19	20,32,43/02	22418	2	24,36,44,46/02;19/03	24172	4	5,6/03
19347	17	25/02;29/03	22102	19	17/03	22420	2	4,11,15,19,30/03	24180	15	8/03
19348	7	29/03	22109	3	17/03	22421	4	N43,N44,N46/02;N11,N23,N25,N26,N27/03	24202	6	31/03
19350	11	27/02	22111	4	32/02;17/03	22423	3	N11,N25,N27/03	24211	7	24/02
19351	9	25/02	22112	3	23,25,30,32,43/02;17/03	22424	1	N27/03	24220	14	27,28/02
19353	12	27/03	22113	8	23,25,30/02;12,17/03	22425	2	44,46/02	24222	3	27/02
19357	22	42*,49,51/02;5,13,30/03	22114	5	32,42,43/02;17,33/03	22427	1	N43,N44,N46,N50/02;N11,N23,N25,N26/03	24230	20	30/02
19358	20	28/02*	22120	3	23,30,34,36,39,41,43,52/02;29,32/03	22429	1	N17,N19,N27/03	24233	15	36,43/02
19359	10	12,16/03	22121	9	23,30,34,36,44,52/02;29,32/03	22430	6	19/03	24234	3	30/02
19360	1	N37,N51/02	22124	2	34,52/02;6,29,32/03	22433	3	39,47/02;11,14/03	24240	5	30,39/02;7/03
19361	7	30/03	22125	1	36/02	22436	2	39/02;10,14/03	24250	5	30,39/02;7/03
19362	12	49/02	22126	1	36/02	22440	1	19/03	24251	23	24,34,43/02;6/03
19366	36	31,49/02;5/03	22130	2	44/02;14,17,29,32/03	22471	31	44/02	24252	5	30,39,43/02;6/03
19367	37	22,31,49/02;10/03	22138	2	41,44,48/02;6/03	22481	35	43,44/02;19/03	24260	5	34/02
19369	5	22,31,49/02;10/03	22140	2	30,34,36,44/02;25/03	22482	16	44,50/02;23/03	24270	3	24,27/02;17,29/03
19379	1	N25,N51/02;N5,N13,N30/03	22142	2	39,41,43/02;25/03	22492	3	34/03	24271	14	17,29/03
19380	14	25,51/02;5,13,30/03	22145	2	N41/02;N25/03	22521	3	12,17,34/03	24274	2	17,29/03
19381	8	25,49,51/02;26/03	22160	2	30,34,39,41,48,52/02;25/03	22523	3	12,17,34/03	24290	3	36,43/02
19382	15	26/03	22170	3	30,39/02;6/03	22529	3	12,17/03	24291	4	36/02
19383	17	49/02;5/03	22172	8	48/02*;4,6,29/03	22531	2	12,17/03	24292	4	36/02
19385	7	20/02*	22173	36	48/02*;6,17,29/03	23010	4	27,38/02	24293	6	32,36/02
19387	9	N25/02	22180	2	30,34/02;32/03	23020	4	22/03	24294	22	36/02
19401	8	10/03*	22181	16	27,39,41/02;29/03	23023	4	27/02	24311	4	27/02
19402	6	9/03*	22182	6	30,34/02;14,29/03	23030	6	27,38/02;21,22/03	24312	4	27/02
19421	7	8/03*	22183	3	20/02;32/03	23115	3	27/02	24320	4	27,28,34,43/02;6,17/03
19441	7	28/03*	22190	2	30/02;29/03	23121	7	30/02;17,20/03	24321	3	6/03
19442	5	14*,26/03	22205	2	12,18/03	23122	8	23,30,33/02	24322	6	28,34/02;6,17/03
19461	7	10/03*	22221	20	20/02;12,31,34/03	23123	3	30/02	24350	2	31,51/02;18/03
19483	6	11/03*	22222	1	4,12,31/03	23124	3	N30/02;N17,N20/03	24355	2	51/02;25/03
21005	5	45/02;2/03	22225	2	12,18/03	23125	4	30/02;17/03	24360	1	25/03
21008	62	39,42,43,50/02;1,2/03	22233	29	13,18,25/03	23126	6	N24/02*	24370	1	34/02
21011	5	2/03	22250	2	42/02;12,18/03	23127	4	N24/02*	24375	2	34/02
21014	72	42,50,52/02;2,3,4/03	22251	11	12,28/03	23128	4	N24/02*	24380	2	35/02
21017	50	23,41,50/02;4,5,6,9/03	22259	4	20/02;20,24/03	23129	2	N24/02*	24388	2	35/02
21020	42	23,41/02;5,6,7/03	22263	1	26/03	23131	7	26,31/02;12,22/03	24404	8	21,26,35,44,48/02
21021	3	45/02;13/03	22264	2	20,42/02;13,18,20,24,26/03	23141	7	34/02;22/03	24405	10	26,35,36,44,48/02
21023	41	34/02;7,8,9/03	22275	3	20,42/02;12,18,26/03	23142	10	8/03	24406	30	20,26/02;2/03
21033	46	20,32/02;1,16/03	22281	9	12,18/03	23150	10	20,37,52/02	24408	21	36,44,48/02
21036	7	1,16/03	22282	17	12/03	23151	3	12/03	24410	2	21,44/02
21120	27	47,50,51,52/02	22283	3	N12/03	23152	3	37/02;12/03	24430	5	39/02;8,11,31/03
21121	18	47/02	22284	7	N10/03	23153	8	20,31/02;12,13/03	24431	14	39/02;31/03
21122	5	47/02	22290	4	20/02;18,30/03	24000	39	27,29/02	24434	4	39/02
21125	13	51,52/02	22293	15	20/02;18,26/03	24006	36	29,30/02	24450	3	26/03
21126	1	50/02	22294	15	12/03	24016	53	30,39/02	24452	7	26/02
21140	1	45,50/02;12,27/03	22305	2	18,24,30,34/03	24020	47	27/02	24453	5	26/03
21141	23	48/02	22311	19	8/03	24024	46	18,25/03	24454	5	5,26/03
21160	1	45/02	22312	2	13,30/03	24028	6	23,48/02	24460	4	39,47/02;15,29,32/03
21161	19	43,48/02	22313	2	44/02;8,18/03	24050	11	27,31,34,38,49/02;20,31,32,33/03	24461	4	16/03
21180	1	2,7/03	22314	1	44/02	24052	15	31,37,38/02;14,19,21,30/03	24462	5	47/02;16,29/03
21182	34	39/02	22322	11	33/03**	24053	16	24/02;19/03	24463	6	24,39/02;12,15,25,26/03
21200	1	2/03	22331	2	N10,N19,N24/03	24055	6	37,49/02;14,19,21/03	24465	6	23,33,47/02
21301	13	3,12/03	22335	4	19/03	24057	4	31,38,49/02;20,30,33/03	24469	1	20,46,47/02;13/03
21342	28	41,44/02	22341	9	43/02;11,21,29/03	24058	2	31,32,37,38/02;19,22,28,29,30/03	24470	4	28,39,47/02
21384	3	23/02;6/03	22342	9	21,29/03	24060	2	34/02;17,32/03	24471	8	28,47/02
			22343	1	N43/02;N10,N11,N21/03				24480	1	25,27,41,44,45,49/02;24,27/03

CHARTS AFFECTED BY NOTICE TO MARINERS NM 20/02 THROUGH NM 34/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
24501	3	27/02;27/03	26260	5	24/02	35083	8	20/03	36164	7	34,38,44,46/02;8,15/03
24502	6	46/02;27,34/03	26261	27	8/03	35084	15	50/02	36165	6	20,22,24,28,36,44/02;10,27,30/03
24504	7	41,45,46/02	26262	3	8/03	35086	5	31/02;22/03	36167	2	24,40/02
24508	3	22/03*	26280	7	23/02	35088	2	50/02	36173	1	40/02
24509	2	45,50/02;15,25,34/03	26282	6	22,23,34/03	35099	3	41/02	36180	23	20,21,22,36,40,50/02;4,27/03
24510	2	41,45,46,50/02	26290	1	21/03**	35100	14	40,45/02;5,30/03	36181	18	20,21,22,36,40,50/02;4,30/03
24511	2	24/03	26295	1	21*,22,34/03	35101	6	41/02	36182	6	20,36,40/02;27/03
24512	3	25,29,44,46/02;24,25/03	26300	7	21/03*	35103	5	41/02	37000	22	23,28,47,48/02;14,23/03
24513	18	46/02	26308	5	21*,22,23,34/03	35120	13	40,45,47/02;5,30/03	37005	16	23,41,45,47/02;5,12,13,15,23,28,29,30/03
24517	2	46,49/02;25/03	26309	26	11/03	35130	3	48,51/02;5/03	37010	23	23,26,41,45,47/02;10,12,13,15,19,23,27,28,29,30/03
25001	7	15/03	26312	2	21/03	35135	1	5/03	37025	26	38,51/02;1,24,25,27,31,33,34/03
25017	5	15,25,31,34/03	26316	3	21/03	35136	2	48,51/02	37032	2	1,6,25,31/03
25018	9	15,25,31,34/03	26320	5	24,27,28,29,35/02;7,12,22,23,25,31/03	35141	11	34/02	37033	2	47/02;33/03
25400	1	23,26,35,48/02	26323	4	1/03	35143	7	34/02	37034	2	8,14,33/03
25480	1	20,42,46/02	26327	2	N41/02*;N17/03	35144	3	11/03	37041	15	20,27,50/02
25481	25	26/02	27005	4	6,8,9,22,23,34/03	35150	3	48/02	37042	5	41,45/02
25485	45	23,26/02	27040	5	9/03	35155	3	25/03	37043	17	20,43/02
25487	2	23,26/02	27041	4	50/02	35159	3	25/02	37044	16	45/02
25524	43	33/02;1,5,20,24,26,32/03	27060	2	22,23,34/03	35163	7	25,44/02	37045	11	45/02
25525	17	1,5,26/03	27080	4	20/02;15,22/03	35166	4	35/02	37046	18	21,31,43/02
25526	2	33/02;24,32/03	27081	6	49/02	35167	3	35/02	37050	9	26,42,46/02;10,12,17/03
25527	31	33/02;24,32/03	27082	6	49,51/02	35169	2	35/02	37060	3	21,31,46,50/02;9,13,18/03
25528	5	21,42/02	27083	39	28/03	35200	7	48,51/02;5,25/03	37061	15	36,38/02;5/03
25550	2	24/02;21/03	27084	4	13/03	35210	3	29/02	37063	21	21,28,36,50/02
25563	50	33/02;14,18,21/03	27100	2	31/02;8,21/03	35230	3	29/02	37075	3	21,31/02;5,18/03
25565	7	33/02	27102	11	28/03	35236	2	38,50/02	37079	5	22/02
25566	27	18,30/03	27120	4	41,43,44/02	35246	2	38,43/02	37080	3	24,27,30,33,34,38,40,42,44,45,46,51/02;1,4,7,9,14,15,18,20,21,22/03
25567	16	21/03	27142	5	9/03	35247	4	50/02	37081	23	20,21,28,38,43,50/02
25570	3	31/02;16/03	27160	2	8,13/03	35255	3	50/02;14/03	37082	9	28,44,50/02;11/03
25575	4	31/02	27161	4	8,13/03	35256	2	14/03	37083	8	20,22/02
25600	47	24/02;25,27/03	27163	21	49/02;8/03	35270	2	38,46/02	37084	9	20,22,38,40,43/02
25601	34	20/02	27183	8	1,9/03	35276	3	46/02	37085	8	38,40/02
25607	4	24,39/02	27186	8	1,9/03	35277	3	38,46/02	37086	8	38,50/02;4/03
25608	21	16,26,34/03	28004	1	20,23,45/02;8,9,22/03	35279	3	38/02	37087	7	38,40/02
25609	5	30/02	28006	1	8/03	35295	3	27/02	37088	9	5/03
25613	2	30/02;25,27/03	28050	3	28,34/02;26/03	35298	7	27/02	37089	12	21,28/02;4,13/03
25640	40	28/02*;15,25,31,34/03	28084	4	17/03**	35299	9	13/03	37090	8	27,32,45,51/02;1,7,9,14,16,22/03
25641	26	30/02	28150	3	8/03	35301	6	17/03	37095	3	24,28,32/02;1,7,9,11,14,15,16,20,22,32/03
25644	13	20/03*	28162	29	28/02	35302	7	17/03	37101	9	27/02
25646	7	N42/02	28164	17	28/02	35303	7	40/02;17/03	37103	9	27,29/02
25649	18	30,35/02;4,31/03	28190	2	41,43,45,46/02;18/03	35308	5	10/03	37104	3	41/02
25650	33	22*,30/02;25,30,31/03	28196	4	41,43,45/02;18/03	35310	2	22/02	37106	4	32/03
25653	13	8/03*	28197	4	45/02;18/03	35330	2	22,38,41/02	37110	11	24,27,28,29,47/02;20,25,31,32/03
25659	9	20/03*	28202	22	41,44/02	35350	2	38,41/02	37112	1	47/02
25663	27	17,30/03	28210	2	33,35,39,41/02	35400	11	30/02	37115	2	27,28,29,33,47/02;7,25,31,32/03
25664	15	17,30/03	28220	2	35,39/02	35402	3	38/02	37119	2	43/02
25666	17	17/03	28221	18	33,37,39/02;5/03	35420	13	24,30/02	37120	2	24,27,29,39,42,49,51/02;4,6,21,23,24,25,26,27,30,32/03
25667	20	15/03	28223	4	35,39/02	35421	14	31/02	37121	11	24,27,29,31/02;25/03
25668	18	48/02;13,34/03	28260	30	35,37/02	35423	6	31/02	37122	12	48/02;19,31/03
25670	41	26,38,48,49/02;4,5,13,20/03	28263	3	35,37/02	35424	3	30/02	37123	9	49/02;6,20/03
25671	18	21/03*	28264	3	35,37/02	36005	2	24,27,28,34,36,38,45,46/02;P12,14,17,24,25,27,31/03	37125	15	24,42,49/02;6,9,20/03
25673	15	28,42/02	28265	3	37/02	36010	27	20,22,24,38/02;5,15,16,20,23/03	37126	8	41/02
25675	9	20/03*	28281	32	36/02	36015	2	24,27,36,46/02;27/03	37127	11	49/02;4,6,20/03
25677	20	32/03*	28300	1	23,39,50/02	36040	16	30/02;1,15/03	37129	6	39,42,49/02;4,6,20,23,24,30/03
25679	10	20/03*	28302	16	31,33,39,40/02;12/03	36046	5	38/02	37133	4	44/02
25683	18	32*,34/03	28310	2	23,31,33,35,39/02	36060	17	31,38/02;5,8,20,21/03	37134	5	38/02
25685	9	22/03*	28320	6	33/02	36061	5	46/02;20/03	37136	6	38,46,50,51/02;30/03
25687	12	30/03*	28323	36	29/02	36062	11	40*,46/02	37137	6	46,48/02;30/03
25700	3	15/03	28325	2	27,29/02	36098	6	5/03	37139	8	23/02;1/03
25720	3	33/02	28330	2	27/02	36102	6	13/03	37140	33	21,22,24,27,29,31,35,49,51/02;4,6,16,24,25,30,32/03
25800	3	24,36/02	29002	9	18,29/03	36103	9	13/03	37141	29	20,21,23,36,40,48,51/02;1,4,12,17,19,24,27,31/03
25841	9	24,36/02	29015	5	22/02;16/03	36104	6	13/03	37145	23	46,50/02;4/03
25848	25	5,13,15/03	29107	2	29/03	36106	7	47/02;5,13/03	37147	15	21,35,36,40/02;1,10,12,16,17,19,25/03
25849	13	42/02;12/03	29121	5	32/02	36118	3	5/03	37148	13	21,35,38/02;4,10,11,27/03
26001	4	9/03	29122	5	32/02	36120	9	20,22,31,46/02;5,8,16,23,27/03	37149	10	44/02
26050	1	34/02;26/03	29127	4	29/03	36122	12	21/02			
26060	1	49/02	29141	3	29/03	36123	25	21,46/02;11,16/03			
26068	11	18/03	29142	3	7/03	36124	18	16/03			
26081	8	46/02;16/03	35000	26	23,24,47,48/02;14/03	36125	7	4,30/03			
26083	14	29/02	35008	21	45,48,50/02;5,25,27/03	36137	4	38/02			
26100	4	31/03	35009	19	40,41,45/02;5,10,14/03	36138	3	39/02;4/03			
26122	30	22/03*	35011	2	48/02;1,25/03	36139	4	4/03			
26127	21	49/02;5/03	35016	17	29/02	36140	12	21,22,24,36,41/02;4,10,27/03			
26128	50	49/02;5/03	35031	3	22/02	36141	7	4/03			
26129	11	26/02	35036	21	24,30,36/02;10,15,27/03	36142	6	24/02			
26142	10	24,33/02	35040	18	21,45/02;4,8,10,14,21/03	36143	4	34/02;5,30/03			
26210	2	24,36/02	35041	8	21,35/02;4/03	36161	10	20,24,34,44,45,47,50/02;4,10,18/03			
26218	2	31/03	35042	9	21,27,44/02;4,14/03						
26219	5	31/03	35044	9	38/02						
26229	11	31/03	35047	5	35/02						
26230	12	31/03	35060	14	22,40,41/02;10,14/03						
26240	7	23/02;9/03	35080	16	22,40/02						
26244	3	9/03	35081	15	22,27/03						
26245	16	51/02;15/03	35082	7	22,27/03						
26259	2	51/02									

CHARTS AFFECTED BY NOTICE TO MARINERS NM 20/02 THROUGH NM 34/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
37150	8	21,22,31/02;14,19,26,27,32,33/03	37481	7	47,48/02;6,7,14,30/03	43384	1	48/02;4,5,6,7,10,11,12,13,15,16,17,18,23,25,26,27,32/03	44187	2	21/02;5,6,9,13,25,27/03
37161	14	21,22,31,34,43/02;1,14,19,24/03	37501	3	46,47/02;7,8,20,33/03				44192	1	21,29,46,48/02;1,18,23/03
37162	12	26/02;21,26,27,30,32,33/03	37505	2	46/02;7,33/03	43385	1	27,45,48/02;5,11,13,20,23,24,26/03	44193	1	26/02;1,7,15,18/03
37163	19	32/03	37506	4	45,46,47,51/02;8,20,33/03	44001	2	48,49/02;1,6,7,8,9,11,13,14,P20,23,26/03	44200	9	20,24,29,34,52/02;4,9,12,13,22,27/03
37164	4	23,26,27,30,32/03	38030	1	20,21/02	44015	8	28,31,48,49/02;6,7,8,9,10,11,13,14,24,26/03	44203	1	20,24,33,48/02;2,5,15,25/03
37165	2	20,21,34,36/02;10,12,13,15,21,23,26,27,28,30,32,34/03	38528	4	N20/03	44030	7	20,46/02;4,8,9,13,19/03	44204	1	48,52/02;2,4,5,7,12,13,27/03
37166	2	26/02;14,19,21,26,27,30,32,33,34/03	38580	8	18/03	44036	5	28/02;13,16,17,20,23,28,30,32/03	44205	2	48,52/02;2,5,7,12,15,19,22,26,27,29,31/03
37170	11	38/02;14,19/03	38585	4	18/03	44037	5	16,22/03	44206	1	46/02;4,5,13,16,17,19,24,28/03
37175	2	5,27,30/03	38610	1	20/02	44040	23	28,44/02;6,10,13,16,17,20,22,23,24,28,30,32/03	44207	1	4,5,17,19,23,28/03
37180	20	21,38/02;27,31/03	41000	2	15/03	44041	7	48/02;1,9,10,13,16,20,23,28/03	44220	5	46/02;4,5,13,16,21/03
37182	14	35,47,48/02;24,27/03	41060	3	34/02	44042	7	21,44,45,49/02;4,7,9,10,11,17,19,20,25,27,28,29,32/03	44221	1	19,21/03
37183	9	48,51/02;10,24/03	42003	1	N23/03**	44043	8	44/02;1,6,9,10,11,13,16/03	44223	1	6,13,21,24/03
37184	8	48/02;5/03	42004	1	N23/03*	44044	6	6,10,13,16/03	44224	1	49/02;5,20,21,24/03
37200	15	28,30/03	42160	3	7/03	44045	6	22/03	44240	8	49,50/02;4,7,13,14,15,16,19,21,25/03
37202	2	22,27/03	42560	5	31/03	44046	10	22,24/03	44243	2	25/02;5/03
37205	2	39/02;22,24,30/03	42600	5	14,30/03	44047	22	26,44/02;10,12,22,24,30,31,32/03	44260	7	29/02;2,5,6,13,21/03
37221	13	20,21,24,25,27,28,34,36/02;6,10,11,12,13,14,15,21,23,29,30,32/03	42740	5	34,41/02;6,25,31/03	44048	11	5,12,18,22,25,27,31/03	44280	9	29,34,49,50/02;2,6,12,15,19,22,34/03
37222	13	27,28/02;21,22,30/03	42742	3	6,8,30/03	44049	9	44,46,50/02;8,14,22,24,30,31/03	44281	2	49/02;12,15,19,21,22,27/03
37223	14	26,42/02;21,26,27,30,32,34/03	42760	5	8,19,24,25/03	44050	21	20,31,32/03	44282	1	49,50/02;13,17,19,21,26/03
37224	11	22,23,30/03	42762	3	N25,N30/03	44051	1	44,48,50/02;1,11,14,22,25,26,27/03	44283	2	50/02;8,21/03
37226	17	20,21,25,28,30,39/02;8,9,12,14,17,21,23/03	43000	4	9/03	44057	5	21,25/02;29,30/03	44284	2	41/02;6/03
37228	14	21,24,27/02;8,14,23,27,29,30/03	43015	12	9/03	44061	21	21/02;24,32/03	44285	1	2,15/03
37229	15	8/03	43030	24	25,28/02;2,9,10,11,12,13,15,17,22,27,28,30,32/03	44062	8	28/03	44286	1	2,27/03
37230	14	24,25,39/02;28/03	43058	3	20/03	44063	8	21/02;17/03	44310	5	20,29,41,42/02;7/03
37231	18	20,21,25,28,30/02;6,10,12,14/03	43059	3	44/02;20/03	44064	19	22,28/03	44313	1	27,41,47/02
37232	12	21/02;29,31/03	43060	4	44/02;27/03	44065	7	20,25,30,42/02;16,17/03	44319	2	21,41,42/02;4,6,9,10,12,26,27,28/03
37234	13	20/02;7,8,31/03	43079	2	41/02	44066	10	20,27,39/02;31/03	44320	4	23,29/02;6,8,9,15,P20,25,26/03
37235	11	17/03	43082	5	41/02	44067	22	21,25,29/02;16,17,28/03	44321	6	22,23,29,32,40/02;6,8/03
37238	6	17,21,30,33/03	43101	3	46/02	44068	11	20,24,26,44/02;10,11,13/03	44340	11	20,21,37/02;4,6,8,9,15,17,P20,26,33/03
37241	17	26/02;26,27,30,32,33/03	43104	4	46/02	44069	16	20,21,24,29,31/02;11,13,17,22,23/03	44341	7	25,37,41/02;7,9,P20,26/03
37242	10	20/02;26,30,32/03	43106	6	44/02	44070	7	28/03	44342	8	37,41/02;6/03
37243	7	27,30,32/03	43127	5	20/03	44071	4	29/03	44352	2	4,6,7,8,12,15,17,19/03
37244	11	26/02;23,26,27,28,30,32,33/03	43140	4	41,48,52/02;12/03	44072	4	21/02	44360	9	20,21,34,37,41,42/02;4,9,10,20,27,28,30,31,32/03
37246	14	21,24,27,30,32,33/03	43141	5	52/02;12/03	44073	2	21/02	44361	6	21,27/02;4,10,15,21,26,27,28/03
37248	18	39/02;21,23,24,26,27,30,32/03	43142	4	52/02;12/03	44075	4	21,29,31,42/02;13,23/03	44365	1	7,8,26,27/03
37258	4	1,11,22/03	43143	4	12/03	44076	3	25/02;22,28,30,32/03	44366	1	34,41/02
37261	10	28/02;1,7,11,20,22/03	43144	4	6,12/03	44081	9	20,24,25,39/02;9,13/03	44367	2	20,22,25,26,29,35,37,40/02;6/03
37262	20	1,11/03	43145	4	12/03	44082	11	21,24,25/02;9,33/03	44400	4	48/02;4,6,7,8,9,12,15,17,19,23,24,25,27,34/03
37264	3	30/02;1,15,22/03	43146	2	48/02;34/03	44083	8	21/02;9,11,24,25,26/03	44401	7	10,12,19,24/03
37265	3	24/02;1,7,17,32/03	43150	2	N34/03	44084	1	6,11,26/03	44410	4	4,6,11,12,13,14,15,23,24,26,27/03
37281	15	30/02;1,15,22/03	43160	6	34/03	44085	2	21,25/02	44420	6	36,49/02;8,9,10,11,12,14,17,22,25,27/03
37281	15	30/02;1,15,22/03	43161	2	41,44/02	44100	7	24,25,26,44/02;2,9,11,12,13,22,31/03	44430	2	28/02;6,10,11,14,19,24,25/03
37320	16	26,27,28,38,44/02;9,10,11,12,15,17,21,24/03	43163	3	44/02	44105	2	49/02;5,6,8,24,26,27/03	44444	6	31/02;9,12,30,34/03
37325	8	34,39,47/02;15,18/03	43164	3	48/02;6,34/03	44120	7	21,26,27,28,29,31/02;2,9,10,15,19,20,22,23,24,27,33/03	44461	10	28/02;6,10,24,25,26,28,31/03
37326	2	34,47,51/02;15,18,21/03	43180	5	9/03	44178	2	21/02;2,5,7,10,16,26,27/03	44462	4	27/03
37328	2	42,44/02;11,15,21,24/03	43182	4	47,52/02	44179	2	10,16/03	44463	9	24/03
37330	2	22,24,26,30,32,34,38,40,46/02;9,13,14/03	43184	4	41/02	44180	6	20,24,29,34,45,46/02;1,2,5,7,8,9,20,26/03	44465	2	28/02;6,25/03
37342	3	32/02;2,11,15,21/03	43225	4	52/02	44181	5	5,10,13,20,21,27/03	44481	2	26,28,31/02;24,26,31/03
37343	10	45/02	43240	4	50,51/02	44182	4	21,48,49/02;1,2,15,18,27/03	51007	22	38/02;7,27,33/03
37344	11	32,34/02;21/03	43248	3	9/03	44183	6	48/02;1,6,8,9,10,19,20,25,27/03	51013	4	38/02;7,21,33/03
37360	15	27,28,30,32,34,43/02;2,9,10,11,15,17,21,24,31/03	43263	7	44/02	44184	9	21,45,49/02;2,10,13,20,22,32/03	51017	31	37/02;24/03
37362	6	31,43,48,51/02;1,2,4,17,22,32,33/03	43265	2	44,52/02	44185	7	45,49/02;1,2,10,27,32/03	51022	11	37/02
37363	8	48/02;4,17,32/03	43270	2	44/02	44186	2	21,45,46,48/02;1,2,5,8,9,10,15,16,25,27,29/03	51061	14	1,7,15,17,19,21,22/03
37367	1	38,49/02	43280	5	44/02				51062	28	15,17,19,22/03
37380	2	34,40,42,43,44,48,51/02;9,10,17,21/03	43281	6	20/02*;27/03				51064	2	52/02;1,17/03
37400	10	28,34,38,40,41,44,46/02;6,10,20,31,34/03	43283	6	27/03				51081	10	5,6,13,15,17,21,22/03
37401	9	28,32,44/02;4,6,13,14,16,22,31/03	43284	4	51/02				51082	7	5,7,13,15,17,21,22/03
37402	7	28,32,41,42,44,50/02;4,13,14/03	43285	5	44/02				51100	7	1,6,7,8,9,14,27,33,34/03
37403	23	24/02;10/03	43287	2	27/03				51103	10	29*;33,45/02
37420	1	34,43/02;1,7/03	43300	5	44,47,50/02				51104	1	29*;33,45/02
37421	8	14,21/03	43301	4	45,50/02				51120	6	6/03
37423	5	14,21/03	43302	4	44,47,50/02				51135	1	22/03
37445	1	48/02;1,34/03	43303	4	41,47,50,51/02				51142	2	6,13,15,22,33/03
37446	2	1,34/03	43304	2	44,47,50/02				51143	4	6/03
37461	9	51/02;6,20,25/03	43321	6	30,41,47/02				51144	3	52/02;1,15/03
37463	6	1/03	43323	4	30/02;27/03						
			43324	4	30/02;27/03						
			43341	7	41/02;12/03						
			43342	7	26/03						
			43345	4	1/03						
			43360	21	28/02;6,10,13,17,20,21,28,30,32/03						
			43363	5	45/02						
			43364	5	45,46/02						
			43371	13	22/02						
			43372	4	22/02						
			43373	8	45/02;17,20/03						
			43374	1	22/02						
			43375	7	46/02;6,7,10,12,16,18,23/03						

CHARTS AFFECTED BY NOTICE TO MARINERS NM 20/02 THROUGH NM 34/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
51145	2	42/02;13,22/03	52172	2	40/02;1/03	53282	8	40/02	54380	6	26,42/02;3,16,18,28,34/03
51146	3	42,52/02;5/03	52180	14	21,24,42,43,51/02;1,8,10,13,15,16/03	53283	4	33,52/02	54382	9	26/02;16,28/03
51150	1	50,51/02;1,13,15,22,33/03	52200	8	7,17/03	53284	4	33,40/02;7,21,24/03	54386	10	42/02;16,18/03
51154	3	50,51/02;13,15/03	52220	7	27/03	53285	4	35/02;7,15/03	54387	7	23,42/02;16,18,30/03
51155	1	50,51/02;1,15,22/03	52221	7	27/03	53287	6	20,27,35,42/02;1,5,7,8,10,15,22/03	54389	8	43,52/02
51158	2	6/03	52223	4	27/03	53290	1	35/02	54400	8	20,32,43/02;3,16,22,30/03
51159	3	47/02	52240	9	27/03	53301	4	27/02;22/03	54402	4	52/02
51160	20	48,50,51/02;1,4,5,6,7,14,15,21,22/03	53011	2	51/02	53302	4	51/02	54403	4	22,43,52/02;24,30/03
51163	4	4/03	53031	1	21,22,27,28,30,39,48/02;5,12,14,24,31/03	53303	6	49,51/02	54407	4	32,43/02;3,7,16,30/03
51164	18	38,45,46,50/02;2,4,8/03	53058	2	4/03	53306	2	21,39/02;31/03	54409	2	23,32/02;7,8,12/03
51165	8	25,45,50/02;2,4,8,10,14,16/03	53060	14	21,22,27,28,30,32,51/02;4,5,9,10,12,14,31/03	53311	3	39/02	54413	3	31/02
51166	3	N25,N45/02	53061	10	28,30,44,47/02;12,16,17/03	54040	3	37/02;6,10,20/03	54416	5	33/03
51167	6	45,50/02;2,4,8,10,16/03	53062	13	1,14,16/03	54041	7	35/02;4,8,16,17,24/03	54417	1	30/03*
51168	2	45,46,50/02;2,4,8/03	53063	9	33/03*	54043	2	29/02;17/03	54418	4	32,43/02;3,7,16,30/03
51180	5	13,16/03	53064	6	33/02;10,20/03	54060	5	37/02;16/03	54419	2	3/03
51200	4	14/03	53065	2	33/02	54061	11	52/02	54421	6	28,47/02
51220	8	33/02;18/03	53066	2	33/02;20/03	54081	3	10/03	54423	5	48/02*;17/03
51222	6	51/02;16/03	53081	8	21,30/02;4,5,11,16/03	54085	2	40/02;15,24/03	54430	1	26,28,37,43/02
51223	2	17,18/03	53082	13	40/02	54090	3	46/02*;11,15,19/03	54440	4	30,41/02;17/03
51225	3	27/02	53083	8	9,10,21,22/03	54095	3	46/02*;8,15,30/03	54441	6	30,42/02;2/03
51240	2	33/02	53084	6	24,51/02;14,16/03	54105	3	46/02*;8,13,17,19/03	54462	5	17/03
51260	4	37,50/02;16,18,28/03	53085	6	24,51/02;14,16/03	54115	3	46/02*;15,30/03	54464	5	17/03
51261	23	5,6,13,15,19/03	53086	8	20,46,48/02;17/03	54120	5	20,37,39,41/02;15,17,19/03	54480	8	22,30,36,41/02;2,17,21/03
51263	23	49,02;13,17/03	53087	9	48/02;17/03	54125	3	46/02*;15,17,30/03	54481	8	22,30,36/02;33/03
51300	4	27/02	53088	7	33/02	54140	7	41/02;15,30/03	55001	4	29,36,37,42/02;14,15,28,29,33/03
51341	23	48/02;6,16,34/03	53089	4	21,22,23/03	54151	1	3/03	55040	4	23,27,28,31,32,39,41/02;16,20,21/03
51342	3	1/03	53090	1	41/02	54161	12	10,20,21/03	55041	7	22,32/02;21/03
51344	2	5,7,16,18/03	53093	2	20/02	54165	2	33,37/02	55042	1	21,27,28,42/02;17/03
51380	5	47/02	53100	16	21,24,28,33,39,42,51/02;6,10,13,18,20,21,24,31/03	54166	3	10/03	55043	2	21,23,27,28,37,39,42/02
51500	6	20/03	53101	7	33/02;8,13,16,24/03	54167	2	20/03	55044	5	22,23,41,43/02;16/03
51540	3	22/03	53104	2	20,35,42/02;20,24/03	54168	1	37/02;10,17/03	55045	2	21,23,41/02
51559	3	41/02	53105	20	37/02;8/03	54169	3	37/02;17/03	55046	4	21,22,23,26,27,30,31,37,38,39,41,48/02;18,19/03
51600	12	20/03	53106	6	20,24/02;21,33/03	54200	4	21/02;5,8/03	55047	8	22,23,26,27/02
51620	10	20/03	53107	16	35/02;6/03	54201	6	21/02;8/03	55048	12	23,27,32,36,37,39,41,48/02;20/03
51621	9	20/03	53110	1	29,40/02;10,15,17/03	54222	2	21/02;8/03	55049	6	22,27,30,41,43/02
51641	4	32,34/03	53111	3	31,44/02*	54223	2	21/02;8/03	55060	7	20,36,37/02;28/03
52031	1	6,21/03	53112	14	20,21,27,28,39,42/02;5,6,7,13,17,31/03	54225	2	50/02	55061	1	28/03
52039	4	5*,7,8,9,13,14,18,21/03	53122	3	20,29,40/02;7,8,16/03	54226	2	50/02	55062	5	28,33/03
52040	17	43,50/02;13,16,18,34/03	53123	3	7,29/03	54227	2	13/03	55063	1	6/03
52042	6	22/03*	53125	2	46,51/02;13/03	54266	4	50/02*-2,15/03	55064	3	23,37,48/02;6/03
52043	21	46/02;6,7/03	53130	1	27,42,47/02;10,13,18/03	54279	10	20/02;5,15,22/03	55082	9	5,25,32/03
52045	6	36/02	53133	4	33/03*	54281	6	20/02	55084	7	39/02
52046	21	50/02;6,7,16,18,21/03	53135	2	20,51/02;7/03	54282	1	51/02	55085	9	5,31,33/03
52047	11	7,8,34/03	53141	5	20,24,34,51,52/02	54283	5	20,52/02	55100	8	29,36,37/02;6,28,29,33,34/03
52048	3	8/03	53147	3	36,39,42,51/02;6,7,10,13,17,20/03	54284	1	51/02;15,34/03	55101	4	7,25,32,34/03
52051	1	43/02	53149	2	31/02	54287	7	5,15/03	55102	3	24/02;4,5,15,25,32/03
52052	1	43/02	53160	14	20,51/02;3,6/03	54288	5	1/03	55103	2	24,29,48/02;1,4,5,7,15,19,20,25,26,27,31/03
52054	1	14/03	53161	8	51/02;3,8,13,18/03	54289	8	1/03	55104	2	48/02;4,5,7,14,19,31,33/03
52055	1	14/03	53162	7	50/02*;15/03	54300	12	31/02	55105	7	29,36,41,42/02;14,15,29,33/03
52060	16	43,50,51/02;7,12,P20,26,29,34/03	53164	9	20,37,51/02	54302	1	31/02;21/03	55110	2	23,24,29,37/02;6,29/03
52061	2	45,48,51/02;7,12,20,P20,26,29,34/03	53165	13	39/02;8/03	54318	3	1,14/03	55120	2	36/02;6,14,28,33,34/03
52062	7	7,12,23,29,34/03	53180	10	33,34,43,51/02;1,3,6,7,13,15,18,20,21,29/03	54320	4	20,48/02;1,24,25/03	55127	2	10,14,24,27,32/03
52066	3	50/02;14,16/03	53181	4	34/02;1,13,21/03	54321	2	25/03	55128	2	26,33,36,38/02;1,4,5,8,14,26,27,28,32,34/03
52080	14	50,51/02;4,7,10,11,12,14,20,P20,26/03	53182	4	36/02;15,16/03	54322	7	20/02;1/03	55129	7	33,36,37/02;6,15,27,34/03
52082	3	45,46,48/02;11,12,20,P20,26/03	53183	13	35/02;20/03	54327	4	20,31/02	55130	2	27,45/02;5,14,19,32,33,34/03
52083	2	45,46,51/02;1,16/03	53184	5	32,35/02;1,6,13,18,20/03	54329	4	5/03	55131	1	27,36,45/02;6,19,25/03
52084	2	45/02;4,10,11,12,14,18/03	53200	6	33,36,43/02;5,6,7,15,16,20,30/03	54332	3	25/03	55133	3	5,14,34/03
52085	3	50,51/02;4,11,16/03	53201	6	51/02;18,21/03	54333	3	25/03	55139	5	41/02
52086	2	45,50,51/02;1,4,9,11,14/03	53202	6	15,17/03	54334	3	5/03	55140	2	1,5,14,29,33,34/03
52087	1	51/02	53203	11	5/03	54335	3	31/02	55150	2	24,28,29,37/02;15/03
52088	2	45/02;4,10,11,12,14,18,P20,26/03	53206	6	5,25/03	54339	8	31/02;12/03	55160	2	24,28,29,42/02;29/03
52092	1	46,51/02;16/03	53220	6	36,43,51/02;5,16/03	54340	4	23/03	55161	1	29/02;17/03
52120	12	32,51/02;6,11,16,18/03	53223	5	29/02	54341	10	48/02;4,5,11,12,13/03	55170	2	29,31,36,41/02
52121	8	45,46/02;1,6,8,11,16,23/03	53226	3	3*,17,18/03	54343	6	48/02;24/03	55175	1	24,28/02
52122	14	45/02;11,14/03	53242	12	52/02;1,13/03	54346	4	51/02	55180	2	33/02;1,15,29,33/03
52124	1	51/02	53244	2	1/03	54347	4	51/02	55190	2	6,20,27/03
52125	1	45,46/02;8,11,16,18/03	53262	7	22,42/02;21/03	54350	4	51/02	55200	2	27/02;8,10,20,25,26,27,28,32,33/03
52140	6	48,50/02;3,12,18,29/03	53263	1	37/02;17/03	54351	7	52/02;26/03	56031	1	1,2,17,21/03
52141	5	48/02	53264	5	17/03	54352	3	52/02;1,3,33/03	56041	4	21/03
52142	2	12,18,23,29/03	53265	6	35,41,46,52/02;15,16/03	54360	12	20,52/02;20,21,34/03	56042	6	22/02
52143	8	18/03	53266	4	1,8,13,17/03	54362	3	52/02	56043	6	22/02
52144	5	50/02;3,7,8,10,14,16,18,21,23/03	53268	4	22,42/02;7/03	54363	3	20/02;21/03	56044	3	22,38/02
52161	14	6,11,14/03	53269	5	17/03	54364	2	52/02			
52164	2	14/03	53279	3	7,15/03	54365	6	36/02;11,21/03			
52170	3	14,16/03	53281	4	31,40,52/02;15,18/03	54368	4	20/02			
						54369	4	52/02;20,21,34/03			
						54372	2	20/02			

CHARTS AFFECTED BY NOTICE TO MARINERS NM 20/02 THROUGH NM 34/03

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
56060	9	27/03*	61450	2	27/02	62448	2	23/02	63370	1	20/03
56063	1	21/02;16/03	61472	1	20/02	62451	7	21,23/02	63400	1	39/02;8,11/03
56064	6	38/02;2,16/03	61540	2	20/02	62453	4	16/03*	63410	6	39/02;8,9/03
56065	3	33,38/02;16/03	61560	2	7/03	62455	7	27,39,43/02	63413	5	39/02
56067	3	48/02*;20/03	61562	2	6/03	62456	1	27/02	63417	2	39/02
56081	19	41/02	61581	5	28/03	62457	6	11/03*	63420	2	39,45/02;8/03
56082	16	29/03	61582	4	28/03	62459	2	6/03	63424	2	45/02
56083	2	31/02	61591	4	28/03	62460	4	24,31,33/02;10/03	71005	1	34/02;2,6,12,13,16,23/03
56100	14	33/03*	61610	7	28,29/02;34/03	62464	2	31,49,50/02;4/03	71006	5	39/02;23/03
56101	6	33/02;1/03	61611	11	28/02;34/03	62480	2	16*,18,32/03	71009	3	39,46,48/02;1,6,7/03
56102	23	1/03	61612	4	28/02;34/03	62490	2	16*,17,18,21,32/03	71012	3	33,39,46/02;1/03
56103	6	30/02;1,33/03	61650	3	12/03	62498	4	23,25,27,31/02;4,9,31/03	71015	4	23/03
56104	3	22/03*	62000	20	46/02	62499	4	25,27,31,49,50/02;4,9,31/03	71018	10	33,35,37/02;7,12,13,15,21,25,26,27/03
56120	12	1/03	62001	5	11*,28/03	62510	3	11*,12/03	71027	9	20,22,24,25,34,38,45,49/02;2,4,5,14,18,23,33/03
56195	3	22/02*	62024	13	38,40/02;29/03	62512	3	N11*,N12/03	71033	31	23,37,38,49/02;3,12,14,15,23/03
57029	9	12/03	62028	15	10/03	62515	2	26,45/02	71036	8	35,44/02;12,14,23,26/03
57035	10	10,12,23/03	62032	16	11*,17,21/03	62520	6	20*,28,32/03	71040	5	27,34,42/02;7/03
57063	5	40,41/02	62033	3	N11*,N17,N21/03	62521	4	N20*,N28,N32/03	71042	1	34/02
57064	3	41/02	62046	3	19/03*	62530	6	20*,28,32/03	71043	2	25/02*
57101	18	41/02	62050	6	44/02	62531	4	N20*,N28,N32/03	71044	1	27/02
57103	2	16/03	62092	7	41/02	62540	6	21,23,25,26,29,31,32,34,40,45,48,50,52/02;8,12,17,18,21,30/03	71045	2	23/03
57120	13	43/02	62093	7	41,49/02				71058	2	23,36/02
57140	10	43/02	62095	3	11*,32/03				71059	1	23,36/02
57141	14	43/02	62098	7	33/03*				71061	15	23,36/02
57142	6	43/02	62100	6	P23,26/03	62541	3	N21,N23,N25,N26,N29,N31,N32,N34,N40,N45,N48,N50,N52/02;N8,N12,N17,N18,N21,N30/03	71066	1	39/02;6,7,10,24/03
57160	10	43/02	62110	9	P23,26/03				71081	3	21/03
57161	4	31/02	62140	1	34,40/02	62550	3	16*,28,32/03	71091	4	1,2/03
57162	7	43/02	62142	10	24,28/02;32/03	62560	4	16*,18/03	71140	6	33,39,46/02;1/03
57164	2	43/02	62143	3	24,28/02;32/03	62570	4	21,23,25,26,31,32,33,34,36,40,45,48/02;8,12,17,18,30/03	71180	29	33,37/02;7,12,13,15,21,23/03
57165	1	43/02	62144	3	24/02				71183	13	32/02
57170	1	43/02	62170	2	38/02				71185	24	7,13,15/03
57200	6	11/03	62171	4	38,47/02				71186	2	7/03
57220	4	11/03	62191	15	11*,15,28/03				71210	18	44/02;3,23,27/03
57241	12	31/03	62193	17	31/02				71211	4	38/02
57260	3	23/03	62194	8	31,36/02;4/03	62580	3	23,26,32,33,45/02;12/03	71212	1	38/02
57261	2	23/03	62195	7	19/03*	62590	2	28,29,36,40,46,48/02;8,12,17,18,21,23,30/03	71230	11	23,38/02;6/03
57262	4	23/03	62220	9	21/03*				71241	10	6,12,16,20/03
57381	12	52/02;15,16,23/03	62222	5	19/03*	62591	3	N28,N29,N36,N46,N48/02;N8,N12,N17,N18,N21,N23,N30/03	71243	5	15/03*
57400	4	12/03	62225	3	37/02;17/03				71247	18	20,21/02;5,6,8,14,17,21,22/03
57408	2	12,24/03	62241	10	9/03	63000	13	27,28,48/02	71248	2	N51/02*;N1/03
57420	3	12/03	62242	11	47/02;9/03	63005	18	25,31/02;16/03	71249	2	35/02
57460	4	10,12,29/03	62250	4	34,38/02;32/03	63010	14	26,29,31,52/02	71251	11	20,35,40/02;1,15,21/03
57471	3	12,15/03	62270	4	37,41/02;29,32/03	63015	11	31,38,40,52/02;9/03	71253	10	21,35,40,42/02;5,6,7,13,14,16,17,21/03
57472	2	12/03	62271	5	37,41/02;10/03	63020	15	27,31/02;4,9,11/03	71255	6	28/03*
57480	8	12,15,23,27/03	62285	2	26/02	63040	2	46/02	71257	2	21,23,28/02;5,6,7,12,13,16/03
57482	12	24/03	62290	3	26,37,41/02;10,21,P23,26/03	63050	2	46/02	71258	2	20,21,28,35/02;5,6,7,13,22/03
57483	11	24/03				63052	3	31/02	71259	3	15*,17,19/03
57484	19	15,23,24,27/03	62292	2	24/02	63055	2	29/02	71261	8	35/02;2,16/03
57488	6	24/03	62295	3	21,P23,26/03	63060	7	25,28,32/02	71262	7	6,33/03
61000	20	10,15,23,27,31/03	62302	2	4/03	63067	7	28,29/02;7,16,18/03	71265	3	46*,49/02;7,13,15,16,20/03
61018	4	24/02	62310	2	27/02;29/03	63063	9	27,29/02;20/03	71271	10	23,25,30,34,52/02;19/03
61020	2	28/02;27/03	62313	4	27/02	63070	3	20,27,28,29/02;16/03	71272	10	23,30,34/02;19/03
61036	8	27/02;7/03	62330	2	38,40/02	63080	5	26,27,28,31,48/02	71275	3	23,35/02;2,6,16,19,33/03
61040	6	10,31/03	62340	3	38/02	63090	8	25,31/02;15,30/03	71281	7	51/02;34/03
61050	4	10,15,31/03	62343	3	8/03	63091	4	26,27,32,39,48,52/02;9/03	71285	3	23,25,30,34,52/02;13,19/03
61051	7	15,24/03	62350	3	10/03				71295	2	25,26,30,34,39,40,52/02;12,19/03
61060	5	12,27/03	62355	6	8,29/03	63100	2	44/02;30/03	71305	2	31,34,36/02;2,13,23/03
61061	9	10,12,15,24/03	62360	5	38/02;12/03	63101	15	15,30/03	71311	4	7/03
61070	4	9/03	62361	2	N38/02;N12/03	63102	19	26/02;15,30/03	71313	8	45/02
61071	9	18/03	62366	4	33/03*	63103	17	26,29/02;15,16/03	71314	5	6,10/03
61080	4	9/03	62391	5	33/03*	63110	4	40/02;16/03	71315	2	27,31,34/02
61090	5	12,27/03	62393	7	34,37,50/02	63111	9	25,48/02;9/03	71320	1	35/02;5,14,33/03
61091	5	12,18,24,27/03	62394	10	34,37,50/02	63120	2	44,48,52/02;8/03	71325	8	5/03
61092	13	18,27/03	62395	3	25/03*	63121	5	48/02;5,8/03	71330	13	35/02;5,33/03
61100	4	10,12/03	62400	17	23,24,33/02;4,9,31/03	63150	1	25,31/02	71331	11	5,7,8,33/03
61110	3	28/02;25/03	62401	9	6,10/03	63200	5	52/02;30/03	71333	2	6,7,33/03
61111	12	25,27,34/03	62402	10	10/03*	63201	9	40/02;30/03	71335	2	8/03
61120	4	28/02	62404	3	6/03	63205	2	30/03	71340	11	22,40,46/02;2,4,5,6,7,33/03
61130	3	28/02	62406	2	24,33/02;28/03	63210	3	45,52/02;16,30/03	71343	3	7/03
61140	5	27/02	62408	7	10/03	63220	5	26,45,52/02	71348	3	35/02;7,23/03
61141	6	38/02	62409	6	7/03	63230	6	45/02	71349	2	23/03
61142	6	38/02;7/03	62411	1	52/02	63231	8	31,45/02	71350	8	20/02;5,6,7,14/03
61170	5	27/02	62413	12	28/03*	63232	3	45/02	71400	5	14,23/03
61180	4	20,27/02	62417	1	52/02	63233	15	31/02	71401	1	40,46,51/02;5/03
61190	4	39,41/02	62419	6	33/02;8/03	63240	4	19/03			
61200	7	21/02	62420	5	33,37,39/02;8/03	63250	6	29,40/02;11/03			
61204	5	13/03	62429	9	27,39,43/02	63252	1	33/03			
61300	2	7/03	62431	8	26*,27,37/02	63271	8	52/02;8/03			
61310	2	33/02;7/03	62432	16	13*,30/03	63290	7	31,32,38/02;10,22/03			
61311	5	33/02	62433	12	30,31,34,45/02;1/03	63291	9	33/02;16/03			
61312	3	33/02	62434	9	40,46,52/02;8,12,17,18,21,23/03	63310	5	11/03			
61331	4	7/03				63320	8	30/02			
61400	2	27/02;7/03	62437	10	30*,32/03	63321	6	30,42/02;9/03			
61410	2	7/03	62439	4	1/03	63322	2	30/02;9/03			
61430	2	7/03	62440	8	16/03*	63330	9	27,39/02;4/03			
61433	1	7/03	62441	10	36/02	63337	15	27,31,39/02;4/03			
61434	2	7/03	62442	6	24/03						

CHARTS AFFECTED BY NOTICE TO MARINERS

NM 20/02 THROUGH NM 34/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
71402	1	40,46/02;4,5,6,33/03	74020	4	33,37,38,43/02;5,18,31/03	74393	9	25,28,31,38,41,50/02;3/03	75208	2	26,50/02;30,33/03
71410	1	39/02;12,23/03	74021	7	20,33,35,39,44/02;7,10,26,31/03	74394	2	28,31,41,49,50/02;3/03	75213	2	36,52/02;33/03
71420	1	38,39/02;3,12,14,23/03	74024	7	31,44/02	74410	3	20,25,38/02;7/03	75215	2	36,39,40,52/02;7,33/03
71430	3	11*,20,23/03	74027	9	43,44/02	74415	1	39/02	75220	12	36,39,49/02;4,20,26/03
71440	2	11*,23/03	74030	6	28,51/02	74420	3	45/02;19,27,30/03	75222	8	22,35,40/02
71445	1	7/03	74053	2	28,51/02	74430	2	49/02	75240	4	36,39/02;2,4,27/03
71450	1	22,25/02;7/03	74054	2	28/02	74440	3	32,39/02;2/03	75241	6	34,36/02;26/03
71455	2	11*,23/03	74151	9	20,24,27,36,44/02;2,20,29/03	74450	3	21,22,26,49/02;2/03	75251	5	23,33,48/02;3,19/03
71460	1	20,25,41/02;23/03	74152	11	36,44/02;27,30,34/03	74455	3	21,23,48/02;1,4/03	75261	6	21,23,24,33,36,48/02;3,6,26,31/03
71465	1	20/02	74153	2	36,44/02;2,27/03	74460	4	21,22,26,37,40,46,49/02;6,20/03	75262	6	38/02;16/03
71470	2	38/02;14/03	74162	4	36,46,47/02;8/03	74465	2	9/03	75263	9	32/02;5,26,31/03
72000	8	31,32,35,47,50/02;2,20,21,23,24,27/03	74171	4	33,36,47/02;3,10,18,20/03	74470	2	8/03	75264	17	33,34,37,41,42,44,45/02;2,27,32/03
72007	10	30,36,38,47,51/02;2,5,7,11,27/03	74172	5	36,47/02;7,10,18/03	74475	2	44/02	75265	2	20,21,24/02;6,20,31,32/03
72014	10	46/02;7,19/03	74181	8	23,28,33,35,37,38,39,47/02;10,34/03	74480	2	44/02	76015	1	23,24,29,35,40/02;28/03
72021	8	31,36,38,47,50,51/02;7,20,23,27/03	74182	12	23,24,25,26,28,33,35,37,38,39,41,42,44,51/02;6,10,17,25,34/03	74485	3	43/02	76030	9	24,49/02
72028	7	31,34/02;22/03	74183	11	38,39,42/02;4,6,17,25/03	74493	3	38,43,45/02	76050	8	24,49/02;18,28/03
72035	8	31/02;8,21,27/03	74184	10	23,24,28,33,35,37,38,46,48/02;17,34/03	74494	2	41/02;8,9,16/03	76052	8	21/02;4,5,28/03
72045	2	8,27/03	74186	7	34/02;4,10,17,21,27,30/03	74510	2	33,35,37/02;5,10,17,18/03	76054	5	49/02
72050	4	23/03	74190	7	22,23,26,35,36,37,46/02;1,16,31,34/03	74515	4	20,28,33,35,39/02;4,7,10,31/03	76056	3	9/03
72060	8	32,50/02	74191	2	22,24,26,35,46,48/02;1,7,9,29/03	74517	3	20,21,39,41/02;4,31/03	76060	7	40/02
72070	4	32/02;2,9/03	74192	3	24,26,28,35,46/02;1/03	74521	3	28,41/02	76061	3	40/02;9/03
72075	2	20/02;9/03	74200	8	21,27,28,37,46/02;1,8,32/03	74527	2	28/02	76070	9	23,35/02;28/03
72080	7	20,51/02;2,9/03	74201	9	27/02;32/03	74530	2	28,44/02	76071	9	23,35/02;28/03
72085	3	15/03*	74202	3	21,24/02;1,7,27/03	74535	2	31,42,44,48/02	76080	8	1,18/03
72094	2	29,38/02;7/03	74204	5	21,24,27,37/02;1,7,8,32/03	74545	3	28,40/02;18,32/03	76081	7	28/03
72100	7	29/02;7,19/03	74205	2	24,25/02;27,32/03	74550	4	5,32/03	76083	3	1/03
72103	2	29/02;4,6,7,19/03	74206	2	24,34/02;27,32/03	74555	3	34,43,44,48,51/02;5/03	76110	5	23/02
72105	2	36,38/02;7,11,19/03	74210	7	25/02;7,17/03	74560	10	23,28,32,40,43,46,48,50/02;4,5,18,31,32/03	76120	6	22,23,25/02
72107	2	27,29/02;7,19/03	74220	8	23,25,26,35,47,51/02;30/03	74561	2	5/03	76140	7	46/02
72109	3	42,44/02	74221	2	35,51/02;30/03	74581	9	20,26,32,34,36,40,41,43,45/02;27,31/03	76141	8	46/02;28/03
72130	4	46/02	74229	2	22,23,33,37,43,47/02;18,26/03	74582	9	26,28,40/02;17,20,27,31/03	76142	1	46/02
72131	3	11/03	74230	7	28,39,42/02;5,7/03	74583	15	26,32,34,40,43,44,48/02	76144	1	28/03
72161	10	10/03	74231	7	23,35/02;3,21/03	74584	5	22,25,32,34,41,43,45/02;26,27/03	76146	1	28/03
72181	2	36/02;7,11/03	74232	9	5,7,21/03	74590	2	28,51/02	76147	1	28/03
72190	2	30/02;10/03	74234	1	8,17/03	74591	7	40/02;8/03	76150	6	35/02
72201	8	8/03	74240	8	34,39,42/02;4,5,7,8,9/03	74595	2	28/02	76151	7	22/02
72211	6	43/02;5,8/03	74251	8	23,25,26,31,32,34,37,42,44,46,51/02;6,9,17,21/03	75000	6	47/02;6,31/03	76160	4	28/03
72223	8	27/03	74252	9	47/02;5,7,9/03	75001	3	23,47/02;5,6,31,32/03	76161	10	40/02
72231	8	31/02;21/03	74253	6	23,25,27,32,47/02;8,9,16,20,21,30/03	75010	7	41,42,50/02	76162	1	18,28/03
72234	2	18,19/03	74261	9	25,41,49/02;4,10,30/03	75025	9	22,23,36,39/02;2,4,8,25,27/03	76170	7	29/02;28/03
72236	1	9,12/03	74265	2	25,31,38,41,43,47,49/02;7,9,16,21,30/03	75035	18	21,24,36,39/02;2,6,26,27/03	76180	1	22,23/02;28/03
73000	9	26,40,52/02;10,20,21/03	74270	3	26,31,38/02;7/03	75051	6	5/03	81048	8	28/03
73002	4	24,30/02;5,11/03	74271	9	28,38,46/02;19,26,27,29,30/03	75110	2	50/02	81054	13	14*,27,28/03
73004	4	26/02;10/03	74272	7	26,32/02;4,19,29,30/03	75120	2	42/02	81067	5	51/02;10,12,16,25/03
73006	2	26/02	74273	5	31,38,41,43/02;7,19,27/03	75130	16	21,27,31,34,41,50,51/02;5,7,8,16,19,25,26/03	81076	9	51/02;10,12,16,27/03
73008	8	11,13,23/03	74281	7	3,30/03	75134	3	23,27,31,34,41,50,51/02;29/03	81092	3	38*,50/02;32/03
73012	6	11/03*	74283	2	46,49/02;27/03	75142	5	21,28,36,42,50/02	81093	6	23/02;31/03
73014	10	48,52/02	74285	2	31,34,35,45/02;1,9,16/03	75143	4	20,28,32,33,36,38,42,50/02	81715	4	23/02;31/03
73016	4	44/02	74286	2	22,24/02;29/03	75144	3	20,31,33,36,42,51/02;4,10,18,25,30/03	82005	5	17/03
73020	9	25/02;9,21,22/03	74287	2	27,34,38,52/02;9/03	75150	5	50/02;16,19,26/03	82010	6	17/03
73024	3	39/02	74289	5	26/02;9/03	75160	6	22,23,24/02;17,18,19,25,32/03	82015	13	22/02
73030	4	20/02;22/03	74290	11	25,34,39,45,46,48,49,51/02;1,7,9,10,16,27,30/03	75170	12	38,39/02;8,25/03	82020	7	22/02
73032	4	25/02;9,22/03	74292	8	27,34,38/02;9,27/03	75171	22	22,27,31,32,33,36,38,40,42,48,52/02;1,6,16,26/03	82200	2	17/03
73041	2	5/03	74293	7	25,34,45,48/02;9,16/03	75177	7	27,38,48,50,52/02;6,26/03	82210	2	42,48/02
73191	3	7/03	74294	3	25,34,45/02	75180	2	8,25/03	82242	1	35,48,50/02
73271	7	21/02;13/03	74295	3	22/02;4,9,27,29/03	75185	2	22,47/02;8/03	82244	5	35,42,48/02;20/03
73552	4	25,34,45/02;1,7,9,10/03	74296	4	27,34,38,49/02;9,27/03	75190	2	23,47/02;25/03	82253	7	35,48,50/02;20/03
73570	7	34,45/02;1,10/03	74300	3	35/02;8,18/03	75191	6	22,25,37,38,43,47/02;8,19,30,34/03	82374	9	22/02
73580	4	52/02	74340	3	27/02;16/03	75193	6	22,49/02;1,5,7,10,16,19/03	82377	2	22/02
73581	4	52/02;3/03	74350	4	25/02;16/03	75207	2	36,52/02;4,16,33/03	82646	2	33/02
73590	6	31,47,52/02	74376	5	43/02;9,16/03				82649	5	20,33/02
73601	3	24,26,31,34,35,47/02	74380	4	22,32/02;8,9,26/03				82683	4	33/02;17/03
73610	4	26,31/02	74391	3	26/03				82684	3	33,38/02;7/03
73631	4	36,46/02;1,17/03	74392	7	22,25,39/02;25/03				82689	3	38/02;17/03
73640	5	23,36/02;16/03							82690	10	20/02
74000	6	24,36,47/02;2,7,18/03							82694	6	38/02;17/03
74002	2	25,27,28,35,47/02;31/03							82697	6	38,46/02
74003	5	22,25,28,47/02;7,10,31,34/03							83010	6	6/03
74004	2	35,37,39,47/02;9,30/03							83020	8	24/03
74005	2	31,34,35,46,47,51/02;4,7,9,16,27,30/03							83021	1	25,27,43/02
74006	2	26,31/02							83023	4	25,27,43/02
74007	1	36/02							83025	1	12/03
74008	6	51/02							83026	32	41/02;6/03
74009	10	20,22,25,38,49/02;8,9,21/03							83039	11	41/02;6/03
74012	10	20,22,26,37,40,49/02;6,8,19,20,27/03							83251	2	2,12/03
74015	10	20,40/02;21,31/03							83252	8	2,12/03
74016	3	27/03							83253	2	12/03
74017	4	37,45/02;18,31/03							83382	9	20,25,27/02
74018	6	44/02							83383	2	20,25,27/02
									83385	19	20,28/02
									83392	5	31/02
									83393	2	N31/02
									83397	6	1/03
									83425	6	20,35/02

CHARTS AFFECTED BY NOTICE TO MARINERS

NM 20/02 THROUGH NM 34/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
83484	10	23/03	93736	22	22,26,32,41/02;4,20,25/03	95067	13	41,44,46/02;1,5,10,17,23,28/03	95250	4	44/02;1,6,16,20,22/03
83570	2	24/02	93778	8	47/02;7/03	95068	1	41,42,45,47/02;12,14,17,25,28,29/03	95255	2	44/02;1,7,13/03
83572	1	24/02	94004	6	29,30,33,37,44,52/02;8,9,10,12,17,18/03	95080	13	25,27,30,33,40,44,45,50,52/02;1,6,7,9,10,14,17,19,21,24,25,27,28,30,31,32/03	95258	3	6,16,18/03
83574	2	7/03	94016	2	23,33,35,52/02;3,9,10,14,17,21,33/03	95082	9	21,25,27,30,33,44,46/02;1,4,7,11,17,25,27,28,30/03	95261	7	48/02;1,5,9,16,23,28/03
83580	2	24/02;8/03	94028	7	23,25,40,42,52/02;1,6,7,8,9,11,14,17,21,24,27,31,33/03	95083	8	21,25,33/02;1,4,19,28/03	95262	13	41,46/02;1,6,9,27/03
91005	6	45/02;19/03	94033	5	19,21,23,29/03	95084	7	50,52/02;8,12,17/03	95264	8	48/02;25/03
91008	1	29,44,48/02;8,10,12/03	94040	13	30,37,47,51/02;6,8,10,17,18,28,31/03	95085	4	45,52/02;1,6,11,12,27,33/03	95267	5	13,20,23,26/03
91010	6	29,48/02;10,12/03	94042	9	47,51/02;7,18,24/03	95086	5	45,52/02;1,6,8,11,12,23,27,31,33/03	95268	16	39,48/02;6,9,13/03
91020	5	21,22/02;19/03	94060	10	27,29,30,33,37,46,47/02;7,8,10,12,14,15,18,24,31/03	95087	3	21,25,33,40,48/02;1,8,30,31/03	95270	4	48/02;9,10,13,20,21,22,23,26/03
91025	8	21,22/02	94061	5	33,35,47/02;23/03	95100	12	38,39,43,44,45,46,47,50,52/02;1,4,6,7,8,9,10,17,23,25,27,28,29,31/03	95271	4	44,48/02;9,10,12,13,20,26/03
91030	3	21/02	94063	4	29,33,41/02;8,18/03	95101	8	39,44,50/02;1,5,6,9,14,17,28,31/03	95273	2	48/02
91080	4	21/02	94067	10	33/02;10,11/03	95102	8	38,42,45,46,47,48,50,52/02;1,4,5,8,13,14,17,23,25,27/03	95274	3	48/02;23,28/03
91096	1	21/02	94080	7	27,29,30,33,44,48/02;10,19,22,32/03	95103	8	42,43,45,47,52/02;4,6,7,10,12,19,27,28,31/03	95276	3	21/02*
91170	2	38,41,44/02	94082	8	25,27,30,44/02;8,19,22/03	95120	7	20,21,42,43,52/02;1,4,14,21,26/03	95280	9	48/02;8,20,26/03
91280	7	22/02;19/03	94083	12	25,44/02	95138	8	45,46,48,49,50,52/02;8,16,17,19,23,24,25,27,28,30/03	95281	15	7,10,14/03
91286	10	20/02	94084	1	23,25/02	95140	15	22,38,40,41,44,48,49,52/02;1,7,8,9,10,17,21,24,25,27,29,33/03	95282	7	46,52/02;4,6,9,19,20,22,23/03
91289	19	20/02	94120	6	21,33,38,48,52/02;9,10,17,18,21/03	95141	8	45,47,50,52/02;1,6,7,8,17,19,21,23,25,29/03	95285	3	18,20/03
91294	8	19/03	94122	7	30,40/02	95142	9	50,52/02;8,10,19,23,29/03	95300	5	45,48,52/02
91297	9	19/03	94123	9	21,33,38,42,44,52/02;9,10,15,17,18,28/03	95143	11	40,45,47,48,49,50/02;1,5,6,7,8,9,10,11,12,13,16,17,19,23,24,25,27,28,30/03	95320	15	35,38/02;20,21,26,33/03
91300	3	21,22/02	94124	13	38,42,44/02;10,15,17,25,28/03	95144	9	38,41,46,48,50,52/02;1,6,8,9,10,11,13,16,21,23,24/03	95341	8	42,47/02;1,10/03
91331	3	21/02	94127	2	21,33,38/02;6,9,13,16,18/03	95146	14	36,38,39,40,41,44,46,47,48,50,52/02;1,8,9,16,21,23,24,31,32/03	95342	16	30/02;9,13,16,20/03
91340	3	21/02	94160	7	26,27,30,44,46,47,50,51,52/02;9,10,12,16,17,18,19,28,31/03	95147	13	39,41,44,45,46,47,48,49,52/02;1,5,9,19,23,25,28,29,31,32/03	96004	14	44,45/02
92006	5	45,46/02;5/03	94165	4	20,26,50/02;18,24/03	95149	9	22,34,36,37,38,41,43,48,49,52/02;8,9,19,24,25,27,30,32/03	96020	4	41/02
92025	3	21/02	94180	9	26,32,42,44,47,50,51/02;23,28/03	95151	17	34,36,37,38,40,47,50/02;1,5,19,23,28,29,30/03	96032	3	38/02;34/03
92030	4	21/02	94184	2	N51/02	95152	5	37,38/02;6,9,19,28,30,31,32/03	96039	7	30/02;23/03
92033	5	45/02	94187	3	32/02;14,23/03	95153	2	22,34,36,37,38,43/02;19,25,32/03	96041	11	30/02
92060	3	21/02	94188	2	44,46,47,51/02;8,28/03	95160	13	27,41,42,47,52/02;1,6,8,9,11,17,19,21,24,25,27,33/03	96042	11	10,21/03
92061	3	21/02	94201	1	51/02;24,28/03	95161	16	27,31,40,45,48,50/02;1,5,6,8,9,10,17,19,23,25,27,30/03	96044	10	29,30/02;23/03
92216	3	23/02*	94203	10	22,26,41,42,44,46,47,52/02;10,11,24/03	95171	2	44,50,52/02;11,16,23/03	96120	6	30/02;21/03
92290	2	19/03	94206	3	22,26,41,42,44,47,52/02;11,19/03	95172	1	1,6,9,21/03	96140	5	30/02
92296	3	19/03	94207	5	N26,N42,N44,N47,N52/02;N11,N19/03	95173	1	50,52/02;1,28/03	96379	1	10/03
92450	3	21/02	94208	6	N44/02	95174	1	50,52/02;12,27/03	96381	2	10/03
92470	3	21/02	94216	6	27,45/02;10,17/03	95176	2	20,31/02;8,11,30/03	96382	2	10,12,21/03
92560	4	45/02	94217	4	30/02;6/03	95177	1	41,50/02;9/03	96400	4	12/03
93006	2	21,39,45/02;4,8,10/03	94218	3	30,36/02;6,18/03	95180	11	27,40,42,44,49/02;1,6,9,10,21,23/03	96441	1	41/02;10/03
93010	6	22,27,38,40,41/02;2,13,14,18,24/03	94219	1	47/02	95185	2	20,31,40,44,49/02;10/03	96480	3	41/02
93018	8	27/02;1,14,18,24/03	94220	4	22,26,41,42,47,49/02;8,10,11,17,18,33/03	95200	6	23/03	96500	6	41/02;10/03
93020	2	24,38/02;4,13/03	94260	5	49/02;1,6,11,31/03				96520	7	10/03
93025	5	45/02	94280	5	51/02;15,32/03				96521	3	21/03
93030	6	45/02	94281	6	6/03				96540	5	10/03
93032	3	45/02;24/03	94282	9	46/02;8/03				96560	5	10/03
93043	1	45/02	94283	7	46/02;2,8,12,32/03				96580	3	10/03
93046	1	45/02;5/03	94290	2	1,7,31/03				96621	5	10/03
93047	2	45,49/02;24/03	94322	14	8/03				96645	1	26/02
93048	1	35,49/02;5,14,33/03	94360	6	32,43/02;6,13/03				96760	4	29,35,45/02
93049	1	45/02;4/03	94361	13	32/02;13,15/03				96762	3	29/02;17/03
93061	4	45/02	94363	4	32,43/02;16,18,29/03				96763	7	29,43,48/02;9,17,32/03
93101	2	N24,N34,N38/02;N2/03	94380	4	N5,N6,N18/03				96764	3	34/03*
93110	2	22,24,38,40,41/02;1,2/03	94384	3	5/03				96800	4	41/02
93115	2	40,41/02	94420	3	39/02;4,8,11,13,14,23/03				96901	3	27/02;7/03
93117	2	40,41/02	94421	10	45/02;4/03				96902	2	45/02
93160	4	27,34/02;1,14,24/03	94423	12	45/02;11/03				96904	3	34/03*
93180	7	27,34/02	94427	2	N32/02				96906	2	27/02
93200	4	26,27/02	94440	2	46/02;18/03				96910	1	10/03
93220	6	27,34/02	95016	8	40/02				96937	2	40/02
93240	11	34/02;16,24/03	95040	8	40/02;11/03				96938	4	4/03
93241	9	8,16,25/03	95041	7	23/03				96939	3	4,7,9,22/03
93243	6	42/02	95046	13	40,43,44,47,48,52/02;1,6,11,14,17,19,21,23,29,31,33/03				96941	8	47/02
93244	7	16/03	95065	5	48/02;10,31/03				96943	15	44/02;1,9,10,12,20,22,23,33/03
93245	6	16,24/03	95066	11	20,41,43,44,47,48,49,50/02;1,5,6,17,19,21,23,25,27,31,32,33/03				96944	6	45,52/02;6,13,20/03
93247	4	26/02							96945	3	43,52/02;20,22,23/03
93260	8	27,31/02;7,18/03							96947	15	6,12,13/03
93261	5	31/02;7/03							96948	8	21,22/03
93280	4	18/03							96949	21	45/02;22/03
93360	5	38/02							96960	3	7/03
93520	13	45/02;15/03							96962	4	30,35/02;1,9,22,33/03
93610	3	44,45/02;6/03							97000	3	17/03
93650	2	44/02;6,24,28/03							97026	10	23/02
93652	2	3,6,24/03							97040	5	43,47/02
93680	3	45,47/02;24/03							97041	9	45,47/02;10,12,22/03
93690	2	44/02;6/03							97042	7	14,20/03
93698	3	45/02;28/03							97043	2	23/02;14,20/03
93710	3	26/02;6,15/03							97060	8	46/02;12,14,22,26/03
93720	10	39,45,50/02;8,15,17,20,24,28/03							97061	3	52/02
93721	5	20,22,26,32,39,42,45,50/02;4,11,17,20,23,25/03							97062	12	27,44/02;6,10,22,26,34/03
93725	6	20,45/02;24/03							97064	2	6,14,33/03
93726	4	26,48/02;8,12,17/03							97080	5	16,22,26/03
93730	3	21,39,40,42,45,47,50/02;2,4,17,24,28,31/03							97082	5	24,46/02;16,34/03
93733	13	21,22,26,32,39,45/02;4,19,20,25/03							97083	3	24/02;29,34/03
93734	11	22,26,32,45/02;4,19,20,25/03							97100	4	20,28,42,47/02;16,17,26/03
									97101	1	28/02;21,25,26/03

CHARTS AFFECTED BY NOTICE TO MARINERS NM 20/02 THROUGH NM 34/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
97104	4	20/02;7/03	97233	11	31,33,43,44,49/02;1,5,6,9,15,16,23,33/03	97465	9	21/02;1,6,8,19,20,22,33/03
97105	3	20/02	97234	17	29,43,47,49/02;1,6,8,9,16/03	97466	2	25,46/02;1,23,27/03
97108	3	21,25,26/03	97236	20	31,47/02;9,16,23/03	97469	10	26/02;1,6,8,19,20,22,33/03
97120	6	22,28,31,37,40,42,43/02;9,14,16,17,25/03	97239	10	31,33/02;1,5,9,16,23/03	97471	5	N31/02;N22,N33/03
97140	17	22,33,37,39,43,45/02;7,9,14,16,25/03	97241	6	10/03	97472	8	34/02;33/03
97141	5	21,40,46/02;8,13,20/03	97243	8	21,28,29,31,33,48/02;1,5,6,21,27,33/03	97474	7	21/02;22/03
97143	11	21,31,43,45/02;9,13,20,25,26/03	97244	5	9/03	97480	7	21,35,52/02;3,9,10,17,18,21/03
97144	14	44*,46/02;7,8,9,13,20/03	97245	11	28,36/02;1,5,9,29/03	97481	6	47,49/02;9,18,20/03
97145	1	22,43/02;8,9,25/03	97246	7	43,52/02;5/03	97483	7	48,52/02;20/03
97146	10	44/02*;15/03	97251	4	6,10,17/03	97521	6	42/02;16,18,20/03
97148	9	21*,23,45/02;9,27/03	97261	15	41/02;1,5,7,18,21,26/03	97564	3	16/03
97149	20	25,34,35,44,45/02;1,16,25/03	97262	10	21,29,34/02;1,5,6,7,15,21,26,33/03	800669	8	N20/02
97150	13	34,39,43,44/02;20,27/03	97263	10	5,7,9,15,18,21/03	800744	1	N22,N49/02;N5,N12,N13,N16/03
97151	16	31,35,44,45/02;12,13,14,16,20,25/03	97266	5	37,41/02;1,5,6,7,14,15,18,26/03	801217	1	N21/02;N6,N8,N19,N20,N22,N33/03
97152	8	37/02;20/03	97267	16	25,29,40,41/02;1,5,6,8,10,13,18,26,27/03	801885	3	N28/02;N34/03
97153	7	31/02;16,20/03	97268	10	6/03	801902	9	N25,N31/03
97154	2	36/02	97269	11	20,45/02;8,13,18,27/03	802202	8	N23,N31,N35/02;N1,N7/03
97155	14	20,31,35,36,37,39,40,48/02;12,13,18,20,28/03	97270	6	36,44/02;1,5/03	802260	5	N20/02
97156	6	21,37/02;1,14/03	97271	12	25,29,37,39/02;6,10,12,26/03	803404	2	N26/02
97157	1	35,37/02	97272	11	52/02;6,10,12,14,23/03	804037	1	N28/02
97158	4	25/03	97273	11	34/03*	804059	2	N20/02
97159	6	33,39/02;7,14,16/03	97274	19	27,31,34,39,45/02;6,9,15,17,18,23/03	804567	4	N31/03
97163	14	23/02;14/03	97276	1	27,29,40/02;9/03	805118	3	N12/03
97164	1	7,14,16/03	97277	11	27/02;1,5,6,8,9,14/03	805647	2	N37,N51/02;N30/03
97165	1	7,16/03	97278	11	39/02;1,20/03	806927	8	N25,N30/03
97166	1	33/02;21/03	97279	9	27/02;9,27/03	807370	5	N17,N25,N30,N31/03
97167	2	23,33/02;21/03	97280	4	52/02	807861	2	N27/02;N22/03
97180	6	22,31,34,39,43,45,46,48/02;4,8,13,20,22,26/03	97281	2	41/02	808365	2	N14/03
97181	20	22,25,31,34,46,48/02;1,4,7,8,12,13,14,17,18,20,22,23,26,27/03	97283	3	45/02;9/03	808528	1	N25/02
97182	13	21,23,31,34,39,46,48/02;1,4,5,6,7,8,12,14,17,18,20,21,22,23,27/03	97285	6	23,27,31,34,42/02;7,13,17/03	809055	7	N16/03
97183	9	25,44/02;5,9,14,16,18,22,26/03	97286	6	21,23,25,27,31,34,35,36,41,42/02;6,8,10,13,17/03	809310	9	N39/02
97184	15	25,28,47/02;1,7,12,14,18,22/03	97287	5	34/02;20/03	809679	2	N25,N50/02;N12,N27/03
97185	2	43/02;1,7/03	97300	6	1,13,25,26/03			
97187	3	44,48/02;9,18/03	97303	3	25,47,48/02			
97188	2	1,7,13,17,20,22,27/03	97320	6	33/02;14,25/03			
97189	2	25,28,44/02;9,14,18,22/03	97340	8	27,33,38,52/02;16,17,18,22/03			
97190	2	22,34,39,52/02;8,13/03	97341	9	27,34/02;16,21/03			
97200	9	52/02;8,16,17,22,25,26,29/03	97342	14	27,38/02;17,18,22,27/03			
97201	7	18,28/03	97343	12	27,38/02;17,25/03			
97202	15	43,44,52/02;20,25/03	97360	6	20,23,27,38/02;5,7,13,18,27/03			
97204	9	28,29,45,52/02;4,6,10,19,20,25,33/03	97380	7	21,39,47,52/02;1,2,8,16,23/03			
97205	3	18,28/03	97381	7	27/02;7,13,27/03			
97206	2	23/03	97382	2	41,45/02;4/03			
97218	3	21,41/02;6,33/03	97383	16	31/02;5,7,13/03			
97219	4	21,25,31/02;6,9,13,20,23,25/03	97384	4	47/02;19/03			
97220	3	21,24,31,37,39,42,43,44/02;6,8,9,17,18,23,29,33/03	97385	10	31,52/02;5,6,7,9/03			
97221	20	21,24,31,37,39,42,44,45,49,52/02;6,8,9,10,13,17,18,19,20,22,23,25,26,29,33/03	97387	2	4,5,7/03			
97222	12	25,28,47/02;10,22,29/03	97389	1	39/02			
97223	3	42,44,48/02;16,17,22,23/03	97390	5	31,39,40/02;2,5,12,16/03			
97224	6	25,27,46,47,49/02	97391	26	31/02;6,7,12,16/03			
97225	31	21,24,37,39,42,44,45/02;6,8,9,10,17,18,19,23,25,33/03	97392	5	21/02;1,21,23,26,33/03			
97226	7	18/03	97396	14	21,36,39,40/02;2,16,17,23,33/03			
97227	11	21,24,42,43/02;9,18,30,34/03	97397	7	25,39,49/02;16,26/03			
97228	15	21,28,30,39,40,42,43/02;5,6,9,15,17,18,20,21,22,27,29/03	97398	3	21,25,49/02			
97229	12	24,27,31,36,39,47/02;6,8,9,18,28,33/03	97400	4	25,26/02;1,12,17,21,34/03*			
97230	18	29,36,52/02;6,9,28,33/03	97410	8	21/02;17,19/03			
97231	11	21,41/02;6,23,33/03	97412	7	40/02			
97232	8	20,25/02;22,25,33/03	97420	17	21,34,39,42,47,52/02;1,8,10,33/03			
			97421	13	20,35,36/02;1,10,13,20,26/03			
			97423	2	20,35,36/02;1,13,20,26/03			
			97425	6	34,39,47,52/02;1,6,8,10/03			
			97440	8	20,23,27,52/02;1,16,19,27/03			
			97441	5	20,46/02			
			97443	6	15,19,25/03			
			97460	7	40/02;5,19,21/03			
			97461	9	21/02;5,8,19,21,22,23,26/03			

SECTION II

NM 34/03

NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.					Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date					
	REGION 2								
22XCO22373 (7642014476610)	<u>Chile 8600, Chile-Pto. Lagunas A. Pta. Pescadores Y Seno Aysen</u> <u>Plan B: Pto. Perez</u> (Plan A. Canal Pilcomayo was canceled)	<u>150,000</u> <u>45,000</u>	1	8/50	DS	2-20,21	34/03		
	REGION 9								
96XHA96764 (7642014014274)	Approaches to Nemuro Hanto	88,950	<u>3</u>	<u>6/03</u>	A	9-43	34/03		
96XHA96904 (7642014014278)	Notsuke Suido and Approaches	88,350	<u>3</u>	<u>5/03</u>	A	9-43	34/03		
97AHA97273 (7642014014316)	<u>Suo Nada and Approaches</u>	125,000	<u>11</u>	<u>5/03</u>	A	9-36,44	34/03		
97AHA97400 (7642014014334)	<u>Sasebo Ko</u>	15,000	<u>4</u>	<u>5/03</u>	A	9-38,44	34/03		
	MISCELLANEOUS CHARTS AND PUBLICATIONS								
NOSPBCP3 (7642014008448)	<u>No. 3 Sandy Hook to Cape Henry, 2003</u>				NOS	10-25	34/03		
NOSPBCP4 (7642014008449)	<u>No. 4 Cape Henry to Key West, 2003</u>				NOS	10-25	34/03		

Price Categories effective 1 October 2002

A	17.75	E	9.00	G	4.50	I	26.25
D	10.75	F	9.00	H	2.50	R	2.50

CHS Canadian Hydrographic Service
DS Distribution Limited
GPO Government Printing Office
NOS National Ocean Service
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To locate the nearest NOS Sales Agents in your area, go to - <http://acc.nos.noaa.gov/Naut/NautAgents.html>

Note: New editions cancel former editions. They include corrections published in the Notice to Mariners prior to the effective date of the new editions and/or important corrections from other sources. Mariners are warned against the use of obsolete charts and publications as new editions contain information essential to safe navigation; however, such new editions are not valid until their availability is announced in the weekly Notice to Mariners.

For questions concerning the availability and distribution of announced charts, users should contact the Defense Logistics Agency (DLA) at 1-800-826-0342 or 804-279-6500; DSN 695-6500; Fax 804-279-6524.

SAILING DIRECTIONS CORRECTIONS

PUB 140 2 Ed 2001 LAST NM 32/03

Page 87—Line 41/L; insert after:

Advance notification requirements for certain vessels

The following vessels are subject to additional advance notification requirements:

1. Gas and chemical tankers older than 10 years of age.
2. Bulk carriers older than 12 years of age.
3. Oil tankers over 3,000 gross tons and older than 15 years of age.
4. Passenger vessels, other than ro-ro ferries and high speed passenger craft, older than 15 years of age

The advance notification shall be sent at least 3 days prior to the ETA at the port. If the voyage from the previous port is expected to take less than 3 days, the advance notification shall be sent prior to leaving the previous port.

The advance notification shall be submitted to SeeBerufsgenossenschaft by one of the following methods:

1. Phone: +49(0)40 36-13-72-14/02
2. Fax: +49(0)40 36-13-72-95
3. E-mail: psc-germany@see-bg.de

The advance notification shall contain the following information:

1. Vessel name.
 2. Flag.
 3. IMO number.
 4. DWT.
 5. Date of construction of the vessel, as determined by the date indicated in the vessel's safety certificates.
 6. For tankers:
 - a. Configuration (single hull, single hull with segregated ballast tanks, double hull).
 - b. Condition of the cargo and ballast tanks (full, empty, inerted).
 - c. Volume and type of cargo.
 7. ETA at the port.
 8. Planned duration of the port call.
 9. Planned operations at the port of destination (loading, unloading, other).
 10. Planned statutory survey inspections and substantial maintenance/repair work to be conducted in the port of destination.
- (Ger NM 29/03, Section 4) 34/03

PUB 172 9 Ed 2001 LAST NM 33/03

Page 52—Line 35/R; insert after:

Green Terminal, E of Port Sudan, has been extended. A new terminal added to handle vehicles and general cargo has a total length of 548m, with an alongside depth of 14.2m.

El Khair Oil Terminal (19°35'N., 37°15'E.) is a new port (2003) located S of Port Sudan. It has a total length of 310m, with an alongside depth of 14.6m.

(PUBS 017-03) 34/03

Page 84—Line 29/L; insert after:

Caution.—There are numerous magnetic anomalies in

the northern Gulf of Aqaba. It has been reported (2003) that there is an additional 14°E variation near the main wharf in the vicinity of position 29°30'N, 34°35'E.

(PUBS 021-03) 34/03

Page 199—Line 41/L; read:

225,000 dwt, with a maximum draft of 19.8m, can berth
(BA NP 63) 34/03

Page 199—Line 44/L; read:

65,000 dwt, with a maximum draft of 13.2m and maximum
(BA NP 63) 34/03

PUB 173 7 Ed 2002 LAST NM 33/03

Page 176—Lines 26 to 28/R; read:

Yadana Gas Field (15°08'N., 94°47'E.), a platform with a light flare, is situated about 48 miles SE of Purian Point. A second platform with a light flare is situated about 2 miles N of the first platform.

A submarine pipeline runs E from the S platform to shore about 9 miles S of Dolphins Nose.

A 500m restricted zone surrounds platforms; navigating, fishing, and anchoring are prohibited.

(CH 63410) 34/03

PUB 200 4 Ed 2002 LAST NM 27/03

Page 118—Line 26/R; insert after:

It has been reported that a rock (60°29'S., 46°16'W.), dangerous to navigation lies about 3.5 miles W of Melson Rocks.

(BA NM 29/03) 34/03

COAST PILOT CORRECTIONS

**COAST PILOT 1 33 Ed 2003 Change No. 11
LAST NM 33/03**

Page 113—Paragraph 1447; insert after:

§165.9 Geographic application of limited and controlled access areas and regulated navigation areas.

(a) *General.* The geographic application of the limited and controlled access areas and regulated navigation areas in this part are determined based on the statutory authority under which each is created.

(b) *Safety zones and regulated navigation areas.* These zones and areas are created under the authority of the Ports and Waterways Safety Act, 33 U.S.C. 1221–1232. Safety zones established under 33 U.S.C. 1226 and regulated navigation areas may be established in waters subject to the jurisdiction of the United States as defined in §2.38 of this chapter, including the territorial sea to a seaward limit of 12 nautical miles from the baseline.

(c) *Security zones.* These zones have two sources of authority—the Ports and Waterways Safety Act, 33 U.S.C. 1221–1232, and the Act of June 15, 1917, as emended by both the Magnuson Act of August 9, 1950 (“Magnuson

COAST PILOT 1 (Continued)

Act”), 50 U.S.C. 191–195, and sec. 104 the Maritime Transportation Security Act of 2002 (Pub. L. 107-295, 116 Stat. 2064). Security zones established under either 33 U.S.C. 1226 or 50 U.S.C. 191 may be established in waters subject to the jurisdiction of the United States as defined in §2.38 of this chapter, including the territorial sea to a seaward limit of 12 nautical miles from the baseline.

(d) *Naval vessel protection zones*. These zones are issued under the authority of 14 U.S.C. 91 and 633 and may be established in waters subject to the jurisdiction of the United States as defined in §2.38 of this chapter, including the territorial sea to a seaward limit of 3 nautical miles from the baseline.

(FR 7/18/03) 34/03

COAST PILOT 1 33 Ed 2003 Change No. 12

Page 1—Paragraph 2, line 4; read:
at <http://nauticalcharts.noaa.gov/>. A subscription to the ...
(NOS/03) 34/03

Page 20—Paragraph 394, lines 3 to 14; read:
bathymetric map are referred. The tidal datum of **Mean Lower Low Water** has been used as Chart Datum along the east, west and Gulf coasts, including the coasts of Alaska, Hawai‘i, the West Indies and other United States and United Nations islands of the Pacific.
(CL 68/03) 34/03

Page 74—Paragraph 511, line 5 to Paragraph 512, line 1; read:
the number posted at the bridge.

§117.601 Malden River.

The draw of S16 bridge, mile 0.3 between ...
(33 CFR 117; CL 1799/02) 34/03

Page 75—Paragraph 523, line 7 to Paragraph 525; read:
shall be passed through the draw as soon as possible.

§117.609 Mystic River.

(a) The draw of the S99 Alford Street Bridge, mile 1.4, shall open on signal; except that, Monday through Saturday, excluding holidays, the draw need not open for the passage of vessel traffic from 7:45 a.m. to 9 a.m., 9:10 a.m. to 10 a.m., and 5 p.m. to 6 p.m., daily. From November 1 through March 31, between 3 p.m. and 7 a.m., at least an eight-hour advance notice is required for bridge openings by calling the number posted at the bridge.

(b) The draw of the Wellington Bridge, mile 2.5, need not open for the passage of vessel traffic.
(CL 1921/02; FR 10/11/02) 34/03

Page 184—Paragraph 192, line 9; read:
the west. Entering by this passage, avoid the aquiculture site located immediately northwest of the wooded island just southwest of Pond Island and two rocks, ...
(CL 499/02) 34/03

Page 350—Paragraph 81, line 2; read:
importation of coal and petroleum products. Marblehead is principally ...
(CL 212/03) 34/03

Page 350—Paragraph 89, line 2; read:
north end of Childrens Island, is small grassy, and rocky.
(CL 212/03; NOS 13275) 34/03

Page 351—Paragraph 96, line 8; read:
70°49'10"W. In 1999, a submerged obstruction which might be a hazard to navigation was reported 0.9 mile northwest of Eagle Island in about 42°32'11"N., 70°49'35"W. Mariners are advised to use caution while navigating in the area.
(27/99 CG1; CL 1851/02;
CL 212/03; NOS 13275) 34/03

Page 352—Paragraph 108, line 5; read:
Midchannel Rock covered 5 feet, on the southwest is marked on its ...
(CL 212/03; NOS 13275) 34/03

Page 352—Paragraph 113, line 4; read:
buoy.
(CL 212/03; LL/03) 34/03

COAST PILOT 3 36 Ed 2003 NEW EDITION
(NOS) 34/03

COAST PILOT 4 35 Ed 2003 NEW EDITION
(NOS) 34/03

COAST PILOT 6 33 Ed 2003 Change No. 8
LAST NM 32/03

Page 43—Paragraph CFR Box, (insert above Title 21):
Title 15 Commerce and Foreign Trade
(15 CFR 922) 34/03

Page 43—Paragraph CFR Box (insert above 21 CFR 1250):
15 CFR 922 National Marine Sanctuary Program Regulations
(15 CFR 922) 34/03

Page 323—Paragraph 211; strike out.
(CL 974/03) 34/03

Page 323—Paragraph 215, line 5; read:
shoal area.

The **Thunder Bay National Marine Sanctuary and Underwater Preserve** has been established to protect and preserve a nationally significant collection of approximately 160 shipwrecks, spanning over a century of Great Lakes shipping and maritime history. The sanctuary encompasses 448 square miles of northwest Lake Huron and includes Thunder Bay. (See **15 CFR 922**, chapter 2 for limits and reg-

COAST PILOT 6 (Continued)

ulations.)

(15 CFR 922)

34/03

COAST PILOT 6 33 Ed 2003 Change No. 9

Page 43—Paragraph 2; insert after:

TITLE 15—COMMERCE AND FOREIGN TRADE**PART 922—National Marine Sanctuary Program Regulations****Subpart A—General****§922.1 Applicability of regulations.**

Unless noted otherwise, the regulations in Subparts A, D and E apply to all thirteen National Marine Sanctuaries for which site-specific regulations appear in Subparts F through R, respectively. Subparts B and C apply to the site evaluation list and to the designation of future Sanctuaries.

§922.2 Mission, goals, and special policies.

(a) In accordance with the standards set forth in title III of the Marine Protection, Research, and Sanctuaries Act of 1972, as amended, also known as the National Marine Sanctuaries Act (Act) the mission of the National Marine Sanctuary program (Program) is to identify, designate and manage areas of the marine environment of special national, and in some cases international, significance due to their conservation, recreational, ecological, historical, research, educational, or aesthetic qualities.

(b) The goals of the Program are to carry out the mission to:

(1) Identify and designate as National Marine Sanctuaries areas of the marine environment which are of special national significance;

(2) Provide authority for comprehensive and coordinated conservation and management of these marine areas, and activities affecting them, in a manner which complements existing regulatory authorities;

(3) Support, promote, and coordinate scientific research on, and monitoring of, the resources of these marine areas, especially long-term monitoring and research of these areas;

(4) Enhance public awareness, understanding, appreciation, and wise use of the marine environment;

(5) Facilitate to the extent compatible with the primary objective of resource protection, all public and private uses of the resources of these marine areas not prohibited pursuant to other authorities;

(6) Develop and implement coordinated plans for the protection and management of these areas with appropriate Federal agencies, State and local governments, Native American tribes and organizations, international organizations, and other public and private interests concerned with the continuing health and resilience of these marine areas;

(7) Create models of, and incentives for, ways to conserve and manage these areas;

(8) Cooperate with global programs encouraging conservation of marine resources; and

(9) Maintain, restore, and enhance living resources by

providing places for species that depend upon these marine areas to survive and propagate.

(c) To the extent consistent with the policies set forth in the Act, in carrying out the Program's mission and goals:

(1) Particular attention will be given to the establishment and management of marine areas as National Marine Sanctuaries for the protection of the area's natural resource and ecosystem values; particularly for ecologically or economically important or threatened species or species assemblages, and for offshore areas where there are no existing special area protection mechanisms;

(2) The size of a National Marine Sanctuary, while highly dependent on the nature of the site's resources, will be no larger than necessary to ensure effective management;

(d) Management efforts will be coordinated to the extent practicable with other countries managing marine protected areas;

(e) Program regulations, policies, standards, guidelines, and procedures under the Act concerning the identification, evaluation, registration, and treatment of historical resources shall be consistent, to the extent practicable, with the declared national policy for the protection and preservation of these resources as stated in the National Historic Preservation Act of 1966, 16 U.S.C. 470 *et seq.*, the Archeological and Historical Preservation Act of 1974, 16 U.S.C. 469 *et seq.*, and the Archeological Resources Protection Act of 1979 (ARPA), 16 U.S.C. 470aa *et seq.* The same degree of regulatory protection and preservation planning policy extended to historical resources on land shall be extended, to the extent practicable, to historical resources in the marine environment within the boundaries of designated National Marine Sanctuaries. The management of historical resources under the authority of the Act shall be consistent, to the extent practicable, with the Federal archeological program by consulting the Uniform Regulations, ARPA (43 CFR part 7) and other relevant Federal regulations. The Secretary of the Interior's Standards and Guidelines for Archeology may also be consulted for guidance. These guidelines are available from the Office of Ocean and Coastal Management at (301) 713-3125

§922.3 Definitions.

Act means title III of the Marine Protection, Research, and Sanctuaries Act of 1972, as amended, 16 U.S.C. 1431 *et seq.*, also known as the National Marine Sanctuaries Act.

Active Candidate means a site selected by the Secretary from the Site Evaluation List for further consideration for possible designation as a National Marine Sanctuary.

Assistant Administrator means the Assistant Administrator for Ocean Services and Coastal Zone Management, National Oceanic and Atmospheric Administration (NOAA), or designee.

Benthic community means the assemblage of organisms, substrate, and structural formations found at or near the bottom that is periodically or permanently covered by water.

Commercial fishing means any activity that results in the sale or trade for intended profit of fish, shellfish, algae, or corals.

Conventional hook and line gear means any fishing appa-

COAST PILOT 6 (Continued)

ratus operated aboard a vessel and composed of a single line terminated by a combination of sinkers and hooks or lures and spooled upon a reel that may be hand or electrically operated, hand-held or mounted. This term does not include bottom longlines.

Cultural resources means any historical or cultural feature, including archaeological sites, historic structures, shipwrecks, and artifacts.

Director means, except where otherwise specified, the Director of the Office of Ocean and Coastal Resource Management, NOAA, or designee.

Exclusive economic zone means the exclusive economic zone as defined in the Magnuson Fishery Conservation and Management Act, 16 U.S. 1801 *et seq.*

Fish wastes means waste materials resulting from commercial fish processing operations.

Historical resource means any resource possessing historical, cultural, archaeological or paleontological significance, including sites, structures, districts, and objects significantly associated with or representative of earlier people, cultures, maritime heritage, and human activities and events. Historical resources include “submerged cultural resources”, and also include “historical properties”, as defined in the National Historic Preservation Act, as amended.

Indian tribe means any American Indian tribe, band, group, or community recognized as such by the Secretary of the Interior.

Injure means to change adversely, either in the long or short term, a chemical, biological or physical attribute of, or the viability of. This includes, but is not limited to, to cause the loss of or destroy.

Lightering means at-sea transfer of petroleum-based products, materials or other matter from vessel to vessel.

Marine means those areas of coastal and ocean waters, the Great Lakes and their connecting waters, and submerged lands over which the United States exercises jurisdiction, including the exclusive economic zone, consistent with international law.

Mineral means clay, stone, sand, gravel, metalliferous ore, non-metalliferous ore, or any other solid material or other matter of commercial value.

National historic landmark means a district, site, building, structure or object designated as such by the Secretary of the Interior under the National Historic Landmarks Program (36 CFR part 65).

National Marine Sanctuary means an area of the marine environment of special national significance due to its resource or human-use values, which is designated as such to ensure its conservation and management.

Person means any private individual, partnership, corporation or other entity; or any officer, employee, agent, department, agency or instrumentality of the Federal Government, of any State or local unit of government, or of any foreign government.

Regional Fishery Management Council means any fishery council established under section 302 of the Magnuson Fishery Conservation and Management Act, 16 U.S.C. 1801 *et seq.*

Sanctuary quality means any of those ambient conditions, physical-chemical characteristics and natural processes, the

maintenance of which is essential to the ecological health of the Sanctuary, including, but not limited to, water quality, sediment quality, and air quality.

Sanctuary resource means any living or non-living resource of a National Marine Sanctuary that contributes to the conservation, recreational, ecological, historical, research, educational, or aesthetic value of the Sanctuary, including, but not limited to, the substratum of the area of the Sanctuary, other submerged features and the surrounding seabed, carbonate rock, corals and other bottom formations, coralline algae and other marine plants and algae, marine invertebrates, brine-seep biota, phytoplankton, zooplankton, fish, seabirds, sea turtles and other marine reptiles, marine mammals and historical resources. For Thunder Bay National Marine Sanctuary and Underwater Preserve, Sanctuary resource means an underwater cultural resource as defined at § 922.191.

Secretary means the Secretary of the United States Department of Commerce, or designee.

Shunt means to discharge expended drilling cuttings and fluids near the ocean seafloor.

Site Evaluation List (SEL) means a list of selected natural and historical resource sites selected by the Secretary as qualifying for further evaluation for possible designation as National Marine Sanctuaries.

State means each of the several States, the District of Columbia, the Commonwealth of Puerto Rico, the Commonwealth of the Northern Mariana Islands, American Samoa, the United States Virgin Islands, Guam, and any other commonwealth, territory, or possession of the United States.

Subsistence use means the customary and traditional use by rural residents of areas near or in the marine environment for direct personal or family consumption as food, shelter, fuel, clothing, tools, or transportation; for the making and selling of handicraft articles; and for barter, if for food or non-edible items other than money, if the exchange is of a limited and non-commercial nature.

Take or taking means:

(1) For any marine mammal, sea turtle, or seabird listed as either endangered or threatened pursuant to the Endangered Species Act, to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, collect or injure, or to attempt to engage in any such conduct;

(2) For any other marine mammal, sea turtle, or seabird, to harass, hunt, capture, kill, collect or injure, or to attempt to engage in any such conduct. For the purpose of both (1) and (2) of this definition, this includes, but is not limited to, to collect any dead or injured marine mammal, sea turtle or seabird, or any part thereof; to restrain or detain any marine mammal, sea turtle or seabird, or any part thereof, no matter how temporarily; to tag any sea turtle, marine mammal or seabird; to operate a vessel or aircraft or to do any other act that results in the disturbance or molestation of any marine mammal, sea turtle or seabird.

Tropical fish means fish of minimal sport and food value, usually brightly colored, often used for aquaria purposes and which lives in a direct relationship with live bottom communities.

Vessel means a watercraft of any description capable of being used as a means of transportation in/on the waters of

COAST PILOT 6 (Continued)

the Sanctuary.

§922.4 Effect of National Marine Sanctuary designation.

The designation of a National Marine Sanctuary, and the regulations implementing it, are binding on any person subject to the jurisdiction of the United States. Designation does not constitute any claim to territorial jurisdiction on the part of the United States for designated sites beyond the U.S. territorial sea, and the regulations implementing the designation shall be applied in accordance with generally recognized principles of international law, and in accordance with treaties, conventions, and other agreements to which the United States is a party. No regulation shall apply to a person who is not a citizen, national, or resident alien of the United States, unless in accordance with:

- (a) Generally recognized principles of international law;
- (b) An agreement between the United States and the foreign state of which the person is a citizen; or
- (c) An agreement between the United States and the flag state of the foreign vessel, if the person is a crew member of the vessel.

Subpart D—Management Plan Development and implementation**§922.30 General.**

(a) The Secretary shall implement each management plan, and applicable regulations, including carrying out surveillance and enforcement activities and conducting such research, monitoring, evaluation, and education programs as are necessary and reasonable to carry out the purposes and policies of the Act.

(b) Consistent with Sanctuary management plans, the Secretary shall develop and implement site-specific contingency and emergency-response plans designed to protect Sanctuary resources. The plans shall contain alert procedures and actions to be taken in the event of an emergency such as a shipwreck or an oil spill.

§922.31 Promotion and coordination of Sanctuary use.

The Secretary shall take such action as is necessary and reasonable to promote and coordinate the use of National Marine Sanctuaries for research, monitoring, and education purposes. Such action may include consulting with Federal agencies, or other persons to promote use of one or more Sanctuaries for research, monitoring and education, including coordination with the National Estuarine Research Reserve System.

Subpart E—Regulations of General Applicability**§922.40 Purpose.**

The purpose of the regulations in this Subpart and in Subparts F through R is to implement the designations of the thirteen National Marine Sanctuaries for which site specific regulations appear in Subparts F through R, respectively, by regulating activities affecting them, consistent with their respective terms of designation in order to protect, preserve and manage and thereby ensure the health, integrity and continued availability of the conservation, ecological, recre-

ational, research, educational, historical and aesthetic resources and qualities of these areas. Additional purposes of the regulations implementing the designation of the Florida Keys and Hawaiian Islands Humpback Whale National Marine Sanctuaries are found at §§922.160, and 922.180, respectively.

§922.41 Boundaries.

The boundary for each of the thirteen National Marine Sanctuaries covered by this part is described in Subparts F through R, respectively.

§922.42 Allowed Activities.

All activities (e.g., fishing, boating, diving, research, education) may be conducted unless prohibited or otherwise regulated in Subparts F through R, subject to any emergency regulations promulgated pursuant to §§922.44, 922.111(c), 922.165, 922.186, or 922.196, subject to all prohibitions, regulations, restrictions, and conditions validly imposed by any Federal, State, or local authority of competent jurisdiction, including Federal and State fishery management authorities, and subject to the provisions of section 312 of the National Marine Sanctuaries Act (NMSA), (16 U.S.C. 1431 *et seq.*). The Assistant Administrator may only directly regulate fishing activities pursuant to the procedure set forth in section 304(a)(5) of the NMSA.

§922.43 Prohibited or otherwise regulated activities.

Subparts F through R set forth site-specific regulations applicable to the activities specified therein.

§922.44 Emergency Regulations.

Where necessary to prevent or minimize the destruction of, loss of, or injury to a Sanctuary resource or quality, or minimize the imminent risk of such destruction, loss, or injury, any and all such activities are subject to immediate temporary regulation, including prohibition. The provisions of this section do not apply to the Cordell Bank, Florida Keys, Hawaiian Islands Humpback Whale, and Thunder Bay National Marine Sanctuaries. See §§922.111(c), 922.165, 922.186, and 922.196, respectively, for the authority to issue emergency regulations with respect to those sanctuaries.

§922.45 Penalties.

(a) Each violation of the NMSA or FKNMSPA, any regulation in this part, or any permit issued pursuant thereto, is subject to a civil penalty of not more than \$100,000. Each day of a continuing violation constitutes a separate violation.

(b) Regulations setting forth the procedures governing administrative proceedings for assessment of civil penalties, permit sanctions, and denials for enforcement reasons, issuance and use of written warnings, and release or forfeiture of seized property appear at 15 CFR part 904.

§922.46 Response costs and damages.

Under section 312 of the Act, any person who destroys, causes the loss of, or injures any Sanctuary resource is liable to the United States for response costs and damages resulting from such destruction, loss or injury, and any vessel used to destroy, cause the loss of, or injure any Sanctuary resource is

COAST PILOT 6 (Continued)

liable *in rem* to the United States for response costs and damages resulting from such destruction, loss or injury.

§922.47 Pre-existing authorizations or rights and certifications of pre-existing authorizations or rights.

(a) Leases, permits, licenses, or rights of subsistence use or access in existence on the date of designation of any National Marine Sanctuary shall not be terminated by the Director. The Director may, however, regulate the exercise of such leases, permits, licenses, or rights consistent with the purposes for which the Sanctuary was designated.

(b) The prohibitions listed in Subparts F through P, and Subpart R do not apply to any activity authorized by a valid lease, permit, license, approval or other authorization in existence on the effective date of Sanctuary designation, or in the case of the Florida Keys National Marine Sanctuary the effective date of the regulations in Subpart P, and issued by any Federal, State or local authority of competent jurisdiction, or by any valid right of subsistence use or access in existence on the effective date of Sanctuary designation, or in the case of the Florida Keys National Marine Sanctuary the effective date of the regulations in Subpart P, provided that the holder of such authorization or right complies with certification procedures and criteria promulgated at the time of Sanctuary designation, or in the case of the Florida Keys National Marine Sanctuary the effective date of the regulations in Subpart P, and with any terms and conditions on the exercise of such authorization or right imposed by the Director as a condition of certification as the Director deems necessary to achieve the purposes for which the Sanctuary was designated.

§922.48 National Marine Sanctuary permits— application procedures and issuance criteria.

(a) A person may conduct an activity prohibited by Subparts F through O, if conducted in accordance with the scope, purpose, terms and conditions of a permit issued under this section and Subparts F through O, as appropriate. For the Florida Keys National Marine Sanctuary, a person may conduct an activity prohibited by Subpart P if conducted in accordance with the scope, purpose, terms and conditions of a permit issued under §922.166. For the Thunder Bay National Marine Sanctuary and Underwater Preserve, a person may conduct an activity prohibited by Subpart R in accordance with the scope, purpose, terms and conditions of a permit issued under §922.195.

(b) Applications for permits to conduct activities otherwise prohibited by Subparts F through O should be addressed to the Director and sent to the address specified in Subparts F through O, or Subpart R, as appropriate. An application must include:

- (1) A detailed description of the proposed activity including a timetable for completion;
- (2) The equipment, personnel and methodology to be employed;
- (3) The qualifications and experience of all personnel;
- (4) The potential effects of the activity, if any, on Sanctuary resources and qualities; and
- (5) Copies of all other required licenses, permits, approvals or other authorizations.

(c) Upon receipt of an application, the Director may request such additional information from the applicant as he or she deems necessary to act on the application and may seek the views of any persons or entity, within or outside the Federal government, and may hold a public hearing, as deemed appropriate.

(d) The Director, at his or her discretion, may issue a permit, subject to such terms and conditions as he or she deems appropriate, to conduct a prohibited activity, in accordance with the criteria found in Subparts F through O, or Subpart R, as appropriate. The Director shall further impose, at a minimum, the conditions set forth in the relevant subpart.

(e) A permit granted pursuant to this section is nontransferable.

(f) The Director may amend, suspend, or revoke a permit issued pursuant to this section for good cause. The Director may deny a permit application pursuant to this section, in whole or in part, if it is determined that the permittee or applicant has acted in violation of the terms and conditions of a permit or of the regulations set forth in this section or Subparts F through O, Subpart R or for other good cause. Any such action shall be communicated in writing to the permittee or applicant by certified mail and shall set forth the reason(s) for the action taken. Procedures governing permit sanctions and denials for enforcement reasons are set forth in subpart D of 15 CFR part 904.

§922.49 Notification and review of applications for leases, licenses, permits, approvals or other authorizations to conduct a prohibited activity.

(a) A person may conduct an activity prohibited by Subparts L through P, or Subpart R, if such activity is specifically authorized by any valid Federal, State, or local lease, permit, license, approval, or other authorization issued after the effective date of Sanctuary designation, or in the case of the Florida Keys National Marine Sanctuary after the effective date of the regulations in Subpart P provided that:

(1) The applicant notifies the Director, in writing, of the application for such authorization (and of any application for an amendment, renewal, or extension of such authorization) within fifteen (15) days of the date of filing of the application or the effective date of Sanctuary designation, or in the case of the Florida Keys National Marine Sanctuary the effective date of the regulations in Subpart P of this part, whichever is later;

(2) The applicant complies with the other provisions of this §922.49;

(3) The Director notifies the applicant and authorizing agency that he or she does not object to issuance of the authorization (or amendment, renewal or extension); and

(4) The applicant complies with any terms and conditions the Director deems reasonably necessary to protect Sanctuary resources and qualities.

(b) Any potential applicant for an authorization described in Paragraph (a) of this section may request the Director to issue a finding as to whether the activity for which an application is intended to be made is prohibited by Subparts L through P, or Subpart R, as appropriate.

(c) Notification of filings of applications should be sent to the Director, Office of Ocean and Coastal Resource Manage-

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ment at the address specified in Subparts L through P, or Subpart R as appropriate. A copy of the application must accompany the notification.

(d) The Director may request additional information from the applicant as he or she deems reasonably necessary to determine whether to object to issuance of an authorization described in Paragraph (a) of this section, or what terms and conditions are reasonably necessary to protect Sanctuary resources and qualities. The information requested must be received by the Director within 45 days of the postmark date of the request. The Director may seek the views of any persons on the application.

(e) The Director shall notify, in writing, the agency to which application has been made of his or her pending review of the application and possible objection to issuance. Upon completion of review of the application and information received with respect thereto, the Director shall notify both the agency and applicant, in writing, whether he or she has an objection to issuance and what terms and conditions he or she deems reasonably necessary to protect Sanctuary resources and qualities, and reasons therefor.

(f) The director may amend the terms and conditions deemed reasonably necessary to protect Sanctuary resources and qualities whenever additional information becomes available justifying such an amendment.

(g) Any time limit prescribed in or established under this §922.49 may be extended by the Director for good cause.

(h) The applicant may appeal any objection by or terms or conditions imposed by the Director, to the Assistant Administrator in accordance with the procedures set forth in §922.50.

§922.50 Appeals of administrative action.

(a)(1) Except for permit actions taken for enforcement reasons (see subpart D of 15 CFR part 904 for applicable procedures), an applicant for, or a holder of, a National Marine Sanctuary permit; an applicant for, or a holder of, a Special Use permit pursuant to section 310 of the Act; a person requesting certification of an existing lease, permit, license or right of subsistence use or access under §922.47; or, for those Sanctuaries described in Subparts L through P and Subpart R, an applicant for a lease, permit, license or other authorization issued by any Federal, State, or local authority of competent jurisdiction (hereinafter appellant) may appeal to the Assistant Administrator:

(i) The granting, denial, conditioning, amendment, suspension or revocation by the Director of a National Marine Sanctuary or Special Use permit;

(ii) The conditioning, amendment, suspension or revocation of a certification under §922.47; or

(iii) For those Sanctuaries described in Subparts L through P and Subpart R, the objection to issuance of the imposition of terms and conditions on a lease, permit, license or other authorization issued by any Federal, State, or local authority of competent jurisdiction.

(2) For those National Marine Sanctuaries described in subparts F through K, any interested person may also appeal the same actions described in §922.50(a)(1)(i) and (ii). For appeals arising from actions taken with respect to these National Marine Sanctuaries, the term "appellant"

includes any such interested persons.

(b) An appeal under Paragraph (a) of this section must be in writing, state the action(s) by the Director appealed and the reason(s) for the appeal, and be received within 30 days of receipt of notice of the action by the Director. Appeals should be addressed to the Assistant Administrator for Ocean Services and Coastal Zone Management, NOAA 1305 East-West Highway, 13th Floor, Silver Spring, MD 20910.

(c)(1) The Assistant Administrator may request the appellant to submit such information as the Assistant Administrator deems necessary in order for him or her to decide the appeal. The information requested must be received by the Assistant Administrator within 45 days of the postmark date of the request. The Assistant Administrator may seek the views of any other persons. For the Monitor National Marine Sanctuary, if the appellant has request a hearing, the Assistant Administrator shall grant an informal hearing. For all other National Marine Sanctuaries, the Assistant Administrator may determine whether to hold an informal hearing on the appeal. If the Assistant Administrator determines that an informal hearing should be held, the Assistant Administrator may designate an officer before whom the hearing shall be held.

(2) The hearing officer shall give notice in the **Federal Register** of the time, place and subject matter of the hearing. The appellant and the Director may appear personally or by counsel at that hearing and submit such material and present such arguments as deemed appropriate by the hearing officer. Within 60 days after the record for the hearing closes, the hearing officer shall recommend a decision in writing to the Assistant Administrator.

(d) The Assistant Administrator shall decide the appeal using the same regulatory criteria as for the initial decision and shall base the appeal decision on the record before the Director and any information submitted regarding the appeal, and, if a hearing has been held, on the record before the hearing officer and the hearing officer's recommended decision. The Assistant Administrator shall notify the appellant of the final decision and the reason(s) therefore in writing. The Assistant Administrator's decision shall constitute final agency action for the purpose of the Administrative Procedure Act.

(e) Any time limit prescribed in or established under this section other than the 30-day limit for filing an appeal may be extended by the Assistant Administrator or hearing office for good cause.

Subpart R—Thunder Bay National Marine Sanctuary and Underwater Preserve**§922.190 Boundary.**

The Thunder Bay National Marine Sanctuary and Underwater Preserve (Sanctuary) consists of an area of approximately 448 square miles (1169 square kilometers) of waters of Lake Huron and the submerged lands thereunder, over, around, and under the underwater cultural resources in Thunder Bay. The boundary forms an approximately rectangular area by extending along the ordinary high water mark between the northern and southern boundaries of Alpena

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County, cutting across the mouths of rivers and streams, and lakeward from those points along latitude lines to longitude 83 degrees west. The coordinates of the boundary are set forth in Appendix A to this Subpart.

§922.191 Definitions.

(a) The following terms are defined for purposes of Subpart R:

Minor project means any project listed in Appendix B to this Subpart.

Programmatic Agreement means the agreement among NOAA, the Federal Advisory Council on Historic Preservation, and the State of Michigan, developed pursuant to the National Marine Sanctuaries Act (NMSA), 16 U.S.C. 1431 *et seq.* and section 106 of the National Historic Preservation Act of 1966 as amended, 16 U.S.C. 470 *et seq.*, which, in part, sets forth the procedures for review and approval of State Permits that authorize activities prohibited by the Sanctuary regulations.

State Archaeologist means the State Archaeologist, Michigan Historical Center, Michigan Department of State.

State Permit means any lease, permit, license, approval, or other authorization issued by the State of Michigan for the conduct of activities or projects within the Thunder Bay National Marine Sanctuary and Underwater Preserve that are prohibited by the regulations at § 922.193.

Traditional fishing means those commercial, recreational, and subsistence fishing activities that were customarily conducted within the Sanctuary prior to its designation, as identified in the Final Environmental Impact Statement and Management Plan for this Sanctuary. Copies of the Final Environmental Impact Statement/Management Plan (FEIS/MP) are available upon request to the Marine Sanctuaries Division, Office of Ocean and Coastal Resource Management, National Ocean Service, National Oceanic and Atmospheric Administration, 305 East-West Highway, 11th Floor, Silver Spring, MD 20910, (301) 713-3125. Traditional fishing includes tribal fishing rights as provided for in the 1836 Treaty of Washington and subsequent court decisions related to the Treaty.

Underwater cultural resource means:

(1) Any sunken watercraft, including a ship, boat, canoe, skiff, raft, or barge; the rigging, gear, fittings, trappings, and equipment of any sunken watercraft; the personal property of the officers, crew, and passengers of any sunken watercraft; and the cargo of any sunken watercraft, that sank prior to the effective date of Sanctuary designation; and

(2) Any of the above that sinks on or after the date of Sanctuary designation determined to be an underwater cultural resource by the Director pursuant to § 922.198. Underwater cultural resource also means any historical remnant of docks or piers or associated material, or materials resulting from activities of historic and prehistoric Native Americans.

(b) Other terms appearing in the regulations are defined at 15 CFR part 922 subpart A, and/or in the National Marine Sanctuaries Act, as amended, 16 U.S.C. 1431 *et seq.*

§922.192 Joint Management Committee.

(a) A state/federal Joint Management Committee shall be established to oversee and engage in decision-making authority for the Thunder Bay National Marine Sanctuary and Underwater Preserve.

(b) The Joint Management Committee shall be comprised of one Federal employee named by the NOAA Administrator and one state employee named by the Governor of Michigan. The Federal employee cannot be the sanctuary manager (the individual who exercises day-to-day management over the Sanctuary) and must have a civil service grade higher than that of the sanctuary manager.

(c) The Joint Management Committee shall:

(1) Develop a position description for, recruit prospective candidates for the position of, interview candidates for the position of, and take part in the annual performance evaluation of, the sanctuary manager;

(2) Approve revisions to the Management Plan;

(3) Approve annual work plans;

(4) Approve, on an annual basis, the expenditure of allocated state and federal funds and other sources of revenue for the Thunder Bay National Marine Sanctuary and Underwater Preserve, in accordance with the Management Plan and the annual work plans; and

(5) Make decisions on other key issues related to management of the Thunder Bay National Marine Sanctuary and Underwater Preserve.

(d) The Joint Management Committee shall meet as agreed to by the members but not less than once annually.

(e) If the Joint Management Committee is unable to reach agreement on an issue, the members shall follow the "Consultation and Conflict Resolution" procedures set forth in the Interlocal Agreement between NOAA and the State of Michigan.

(f) The Joint Management Committee may invite affected public parties to participate in selected aspects of Sanctuary management as:

(1) Parties to the Interlocal Agreement pursuant to the Michigan Urban Cooperation Act of 1967, MCL 124.501 *et seq.*; and/or

(2) Pursuant to the NMSA.

§922.193 Prohibited or otherwise regulated activities.

(a) Except as specified in paragraphs (b) through (d) of this section, the following activities are prohibited and thus are unlawful for any person to conduct or to cause to be conducted:

(1) Recovering, altering, destroying, possessing, or attempting to recover, alter, destroy, or possess an underwater cultural resource.

(2) Drilling into, dredging or otherwise altering the lake bottom associated with underwater cultural resources, including contextual information; or constructing, placing or abandoning any structure, material or other matter on the lakebottom associated with underwater cultural resources, except as an incidental result of:

(i) Anchoring vessels;

(ii) Traditional fishing operations; or

(iii) Minor projects (as defined in Appendix B of this subpart) that do not adversely affect underwater cultural

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resources.

(3) Using grappling hooks or other anchoring devices on underwater cultural resource sites that are marked with a mooring buoy.

(4) Interfering with, obstructing, delaying or preventing an investigation, search, seizure or disposition of seized property in connection with enforcement of the Act or any regulations issued under the Act.

(b) Members of a federally-recognized Indian tribe may exercise treaty-secured rights, subject to the requirements of other applicable law, without regard to the requirements of this subpart. The Director may consult with the governing body of a tribe regarding ways the tribe may exercise such rights consistent with the purposes of the Sanctuary, provided that the rights are authorized by the tribe by regulation, license, or permit.

(c) The prohibitions in paragraphs (a)(1) through (3) of this section do not apply to valid law enforcement activities, or any activity necessary to respond to an emergency threatening life or the environment.

(d) The prohibitions in paragraphs (a) (1) through (3) of this section do not apply to any activity:

(1) Specifically authorized by, and conducted in accordance with the scope, purpose, terms and conditions of, a permit issued pursuant to § 922.195 or a Special Use Permit issued pursuant to section 310 of the NMSA.

(2) Specifically authorized by any valid Federal, State, or local lease, permit, license, approval, or other authorization in existence on the effective date of these regulations, or by any valid right of subsistence use or access in existence on the effective date of these regulations, provided that the holder of such authorization or right complies with § 922.194 and § 922.47 and with any terms and conditions for the exercise of such authorization or right imposed by the Director as a condition of certification as he or she deems reasonably necessary to achieve the purposes for which the Sanctuary was designated.

§922.194 Certification of preexisting leases, licenses, permits, approvals, other authorizations, or rights to conduct a prohibited activity.

(a) A person may conduct an activity prohibited by § 922.193 (a)(1) through (3) if such activity is specifically authorized by a valid Federal, State, or local lease, permit, license, approval, or other authorization in existence on the effective date of Sanctuary designation, or by any valid right of subsistence use or access in existence on the effective date of Sanctuary designation, *provided that*:

(1) For any State or local lease, permit, license, approval, or other authorization, or any right of subsistence use, the State Archaeologist certifies to the Director, within 90 days of the effective date of designation, that the activity authorized under the State or local lease, permit, license, approval, or other authorization, or any right of subsistence use, is being conducted consistent with the Programmatic Agreement, in which case such activity shall be deemed to have met the requirements of this section and § 922.47; or

(2) in the case where either:

(i) The State Archaeologist does not certify that the activity authorized under a State or local lease, permit, license, approval, or other authorization, or right of subsistence use is being conducted consistent with the Programmatic Agreement; or

(ii) The activity is conducted pursuant only to a Federal permit, the holder of the authorization or right complies with paragraphs (b) through (k) of this section.

(b) For an activity described in paragraph (a)(2) of this section, the holder of the authorization or right may conduct the activity prohibited by § 922.193 (a)(1) through (3) *provided that*:

(1) The holder of such authorization or right notifies the Director, in writing, within 90 days of the effective date of Sanctuary designation, of the existence of such authorization or right and requests certification of such authorization or right;

(2) The holder complies with the other provisions of § 922.194; and

(3) The holder complies with any terms and conditions on the exercise of such authorization or right imposed as a condition of certification, by the Director, to achieve the purposes for which the Sanctuary was designated.

(c) The holder of an authorization or right described in paragraph (a)(2) of this section authorizing an activity prohibited by § 922.193 may conduct the activity without being in violation of applicable provisions of § 922.193, pending final agency action on his or her certification request, provided the holder is in compliance with this § 922.194.

(d) Any holder of an authorization or right described in paragraph (a)(2) of this section may request the Director to issue a finding as to whether the activity for which the authorization has been issued, or the right given, is prohibited by § 922.193, thus requiring certification under this section.

(e) Requests for findings or certifications should be addressed to the Director, Office of Ocean and Coastal Resource Management; ATTN: Sanctuary Manager, Thunder Bay National Marine Sanctuary and Underwater Preserve, 1305 East-West Highway, N/ORM, Silver Spring, Maryland, 20910. A copy of the lease, permit, license, approval, or other authorization must accompany the request.

(f) The Director may request additional information from the certification requester as he or she deems reasonably necessary to condition appropriately the exercise of the certified authorization or right to achieve the purposes for which the Sanctuary was designated. The Director must receive the information requested within 45 days of the postmark date of the request. The Director may seek the views of any persons on the certification request.

(g) The Director may amend any certification made under this § 922.194 whenever additional information becomes available justifying such an amendment.

(h) Upon completion of review of the authorization or right and information received with respect thereto, the Director shall communicate, in writing, any decision on a certification request or any action taken with respect to any certification made under this § 922.194, in writing, to both the holder of the certified lease, permit, license, approval, other authorization, or right, and the issuing agency, and shall set forth the reason(s) for the decision or action taken.

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(i) Any time limit prescribed in or established under this § 922.194 may be extended by the Director for good cause.

(j) The holder may appeal any action conditioning, amending, suspending, or revoking any certification in accordance with the procedures set forth in § 922.50.

(k) Any amendment, renewal, or extension made after the effective date of Sanctuary designation, to a lease, permit, license, approval, other authorization or right is subject to the provisions of § 922.195 and § 922.49.

(l) For any activity authorized pursuant to § 922.193 (b), the holder of such license or permit shall notify the Director, in writing, within 90 days of the effective date of Sanctuary designation, of the existence of such authorization or right.

922.195 Permit procedures and criteria.

(a) A person may conduct an activity prohibited by § 922.193 (a)(1) through (3), if conducted in accordance with the scope, purpose, terms and conditions of a State Permit *provided that*:

(1) The State Archaeologist certifies to NOAA that the activity authorized under the State Permit will be conducted consistent with the Programmatic Agreement, in which case such State Permit shall be deemed to have met the requirements of § 922.49; or

(2) In the case where the State Archaeologist does not certify that the activity to be authorized under a State Permit will be conducted consistent with the Programmatic Agreement, the person complies with the requirements of § 922.49 of this part.

(b) If no State Permit is required to conduct an activity prohibited by § 922.193 (a)(1) through (3) of this subpart, a person may conduct such activity if it is conducted in accordance with the scope, purpose, terms and conditions of a Federal permit, provided that the person complies with the provisions of § 922.49 of this part.

(c) In instances where the conduct of an activity is prohibited by § 922.193 (a)(1) through (3) of this subpart is not addressed under a State or other Federal lease, license, permit or other authorization, a person must obtain a Sanctuary permit from NOAA pursuant to § 922.48 (c) through (f) of this part and the Programmatic Agreement in order to conduct the activity.

(d) A permit for recovery of an underwater cultural resource may be issued if:

(1) The proposed activity satisfies the requirements for permits described under paragraphs (a) through (c) of this section;

(2) The recovery of the underwater cultural resource is in the public interest;

(3) Recovery of the underwater cultural resource is part of research to preserve historic information for public use; and

(4) Recovery of the underwater cultural resource is necessary or appropriate to protect the resource, preserve historical information, or further the policies of the Sanctuary.

(e) A person shall file an application for a permit with the Michigan Department of Environmental Quality, Land and Water Management Division, P.O. Box 30458, Lansing, MI, 48909-7958. The application shall contain all of the follow-

ing information:

(1) The name and address of the applicant;

(2) Research plan that describes in detail the specific research objectives and previous work done at the site. An archaeological survey must be conducted on a site before an archaeological permit allowing excavation can be issued;

(3) Description of significant previous work in the area of interest, how the proposed effort would enhance or contribute to improving the state of knowledge, why the proposed effort should be performed in the Sanctuary, and its potential benefits to the Sanctuary;

(4) An operational plan that describes the tasks required to accomplish the project's objectives and the professional qualifications of those conducting and supervising those tasks (see § 922.195(e)(9) of this section). The plan must provide adequate description of methods to be used for excavation, recovery and the storage of artifacts and related materials on site, and describe the rationale for selecting the proposed methods over any alternative methods;

(5) Archaeological recording, including site maps, feature maps, scaled photographs, and field notes;

(6) An excavation plan describing the excavation, recovery and handling of artifacts;

(7)(i) A conservation plan documenting:

(A) The conservation facility's equipment;

(B) Ventilation temperature and humidity control; and

(C) storage space.

(ii) Documentation of intended conservation methods and processes must also be included;

(8) A curation and display plan for the curation of the conserved artifacts to ensure the maintenance and safety of the artifacts in keeping with the Sanctuary's federal stewardship responsibilities under the Federal Archaeology Program (36 CFR Part 79, Curation of Federally-Owned and Administered Archaeological Collections); and

(9) Documentation of the professional standards of an archaeologist supervising the archaeological recovery of historical artifacts. The minimum professional qualifications in archaeology are a graduate degree in archaeology, anthropology, or closely related field plus:

(i) At least one year of full-time professional experience or equivalent specialized training in archeological research, administration or management;

(ii) At least four months of supervised field and analytic experience in general North American archaeology;

(iii) Demonstrated ability to carry research to completion; and

(iv) At least one year of full-time professional experience at a supervisory level in the study of archeological resources in the underwater environment.

§922.196 Emergency regulations.

(a) Where necessary to prevent or minimize the destruction of, loss of, or injury to an underwater cultural resource, or to minimize the imminent risk of such destruction, loss, or injury, any and all activities are subject to immediate tempo-

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rary regulation, including prohibition. An emergency regulation shall not take effect without the approval of the Governor of Michigan.

(b) Emergency regulations remain in effect until a date fixed in the rule or six months after the effective date, whichever is earlier. The rule may be extended once for not more than six months.

922.197 Consultation with affected federally-recognized Indian tribes.

The Director shall regularly consult with the governing bodies of affected federally-recognized Indian tribes regarding areas of mutual concern.

§922.198 Procedures for determining watercraft and related items which sink on or after the date of Sanctuary designation to be an underwater cultural resource.

The Director, in consultation with the State of Michigan, appropriate federal agencies, and the governing body of any affected federally-recognized tribe, may determine, after providing 45 days for public comment, that any sunken watercraft, including a ship, boat, canoe, skiff, raft, or barge; the rigging, gear, fittings, trappings, and equipment of any sunken watercraft; the personal property of the officers, crew, and passengers of any sunken watercraft; and the cargo of any sunken watercraft, that sinks on or after the date of Sanctuary designation, to be an underwater cultural resource if such is determined by the Director to be 50 years or older and of special national significance due to architectural significance or association with individuals or events that are significant to local or national history.

Appendix A to Subpart R of Part 922–Thunder Bay National Marine Sanctuary and Underwater Preserve Boundary Coordinates

[Based on North American Datum of 1983]

Point	Latitude	Longitude
1	45°12'25.5"	83°23'18.6"
2	45°12'25.5"	83°00'00.0"
3	44°51'30.5"	83°00'00.0"
4	44°51'30.5"	83°19'17.3"

Appendix B to Subpart R of Part 922–Minor Projects for Purposes of § 922.193(a)(2)(iii)

Pursuant to Michigan State Administrative Rule R 322.1013 of Part 325, Great Lakes Submerged Lands of Public Act 451 (Michigan State Statute), the Michigan Department of Environmental Quality (Department) issues permits for projects that are of a minor nature which are not controversial, which have minimal adverse environmental impact, which will be constructed of clean, non-polluting materials, which do not impair the use of the adjacent bottomlands by the public, and which do not adversely affect riparian interests of adjacent owners. The following projects are minor projects:

(a) Noncommercial single piers, docks, and boat hoists which meet the following design criteria:

(i) are of a length or size not greater than the length or size of similar structures in the vicinity and on the watercourse involved; and

(ii) provide for the free littoral flow of water and drift material.

(b) Spring piles and pile clusters when their design and purpose is usual for such projects in the vicinity and on the watercourse involved.

(c) Seawalls, bulkheads, and other permanent revetment structures which meet all of the following purpose and design criteria:

(i) the proposed structure fulfills an identifiable need for erosion protection, bank stabilization, protection of uplands, or improvements on uplands;

(ii) the structure will be constructed of suitable materials free from pollutants, waste metal products, debris, or organic materials;

(iii) the structure is not more than 300 feet in length and is located in an area on the body of water where other similar structures already exist;

(iv) the placement of backfill or other fill associated with the construction does not exceed an average of 3 cubic yards per running foot along the shoreline and a maximum of 300 cubic yards; and

(v) the structure or any associated fill will not be placed in a wetland area or placed in any manner that impairs surface water flow into or out of any wetland area.

(d) Groins 50 feet or less in length, as measures from the toe to bluff, which meet all of the following criteria:

(i) the groin is low profile, with the lakeward end not more than 1 foot above the existing water level; and

(ii) the groin is placed at least $\frac{1}{2}$ of the groin length from the adjacent property line or closer with written approval of the adjacent riparian.

(e) Filling for restoration of existing permitted fill, fills placed incidental to construction of other structures, and fills that do not exceed 300 cubic yards as a single and complete project, where the fill is of suitable material free from pollutants, waste metal products, debris, or organic materials.

(f) Dredging for the maintenance of previously dredged areas or dredging of not more than 300 cubic yards as a single and complete project when both of the following criteria are met:

(i) No reasonable expectation exists that the materials to be dredged are polluted; and

(ii) All dredging materials will be removed to an upland site exclusive of wetland areas.

(g) Structural repair of man-made structures, except as exempted by Michigan State Administrative Rule R 322.1008(3), when their design and purpose meet both of the following criteria:

(i) The repair does not alter the original use of a recently serviceable structure; and

(ii) The repair will not adversely affect public trust values or interests, including navigation and water quality.

(h) Fish or wildlife habitat structures which meet both of the following criteria:

(i) Are placed so the structures do not impede or create a navigational hazard; and

(ii) Are anchored to the bottomlands.

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(i) Scientific structures such as staff gauges, water monitoring devices, water quality testing devices, survey devices, and core sampling devices, if the structures do not impede or create a navigational hazard.

(j) Navigational aids which meet both of the following criteria:

(i) Are approved by the United States Coast Guard; and

(ii) Are approved under Michigan State Act No. 303 of the Public Acts of 1967, as amended, being Section 281.1001 *et seq.* of the Michigan Compiled Laws, and known as the Marine Safety Act.

(k) Extension of a project where work is being performed under a current permit and which will result in no damage to natural resources.

(l) A sand trap wall which meets all of the following criteria:

(i) The wall is 300 feet or less in length along the shoreline;

(ii) The wall does not extend more than 30 feet lake-ward of the toe of bluff;

(iii) The wall is low profile, that is, it is not more than 1 foot above the existing water level; and

(iv) The wall is constructed of wood or steel or other non-polluting material.

(m) Physical removal of man-made structures or natural obstructions which meet all of the following criteria:

(i) The debris and spoils shall be removed to an upland site, not in a wetland, in a manner which will not allow erosion into public waters;

(ii) The shoreline and bottom contours shall be restored to an acceptable condition; and

(iii) Upon completion of structure removal, the site does not constitute a safety or navigational hazard. Department staff shall consider fisheries and wildlife resource values when evaluating applications for natural obstruction removal.

(15 CFR 922) 34/03

COAST PILOT 6 33 Ed 2003 Change No. 10

Page 87—Paragraph 968 to Paragraph 978, line 1; read:

Subpart C—Vessel Traffic Service and Vessel Movement Reporting System Areas and Reporting Points

Note: All geographic coordinates contained in part ... (FR 7/1/03) 34/03

Page 94—Paragraph 1145, line 3; read:

more gross tons (except as provided in paragraphs (c) and (d) of ...

(FR 7/1/03) 34/03

Page 94—Paragraph 1151, lines 1 to 2; read:

(c) Provisions of §§164.11(a)(2) and (c), 164.30, 164.33, and 164.46 do not apply to warships or other vessels ...

(FR 7/1/03) 34/03

Page 94—Paragraph 1151, line 7; read: regulations regarding navigation safety.

(d) Provisions of §164.46 apply to some self-propelled vessels of less 1600 gross tonnage.

(FR 7/1/03) 34/03

Page 94—Paragraph 1152, line 1; read:

(a) Except as provided in §164.46(a)(2) of this part (including §§164.38 and 164.39) does ...

(FR 7/1/03) 34/03

Page 94—Paragraph 1164, line 3; read:

.....164.74

International Electrotechnical Commission (IEC)

3, rue de Varemb, Geneva, Switzerland.

IEC 61993-2, Maritime navigation and radiocommunication equipment and systems—Automatic identification systems (AIS)—part 2: Class A shipborne equipment of the universal automatic identification system (AIS)—Operational and performance requirements, methods of test and required test results First edition, 2001-12 164.46

(FR 7/1/03) 34/03

Page 94—Paragraph 1165, line 5; read:

1975164.13

Resolution MSC.74(69), Annex 3, Recommendation on Performance Standards for a Universal Shipborne Automatic Identification System (AIS), adopted May 12, 1998 ..164.46

SN/Circ.277, Guidelines for the Installation of a Shipborne Automatic Identification System (AIS), dated January 6, 2003164.46

SOLAS, International Convention for Safety of Life at Sea, 1974, and 1988 Protocol relating thereto, 2000 Amendments, effective January and July 2002, (SOLAS 2000 Amendments)164.46

Conference resolution 1, Adoption of amendments to the Annex to the International Convention for the Safety of Life at Sea, 1974, and amendments to Chapter V of SOLAS 1974, adopted December 12, 2002 164.46

(FR 7/1/03) 34/03

Page 94—Paragraph 1168, line 4; read:

Services and Ship-to-Ship Identification, 1992164.43

ITU-R Recommendation M.1371-1, Technical characteristics for a universal shipborne automatic identification system using time division multiple access in the VHF maritime mobile band, 1998-2001164.46

(FR 7/1/03) 34/03

Page 100—Paragraph 1338, line 3 to Paragraph 1339, line 2; read:

with a rate of turn indicator.

§164.43 Automatic Identification System Shipborne Equipment—Prince William Sound.

(a) Until July 1, 2004, each vessel required to provide automated position reports to a Vessel Traffic Service (VTS)

COAST PILOT 6 (Continued)

under §165.1704 of this subchapter must do so ...
(FR 7/1/03)

34/03

Page 100—Paragraph 1357, line 2; read:
operating procedures are set forth in Part 161 of this chapter.

§164.46 Automatic Identification System (AIS).

(a) The following vessels must have an installed, operational AIS that complies with the IMO Resolution MSC.74(69), ITU-R Recommendation M.1371-1, and IEC 61993-2, and that is installed using IMO SN/Circ.277 (Incorporated by reference, see §164.03) as of the date specified. “Length” refers to “registered length” as defined in 46 CFR, part 69.

(1) Self-propelled vessels of 65 feet or more in length engaged in commercial service and on an international voyage, not later than December 31, 2004.

(2) Notwithstanding paragraph (a)(1) of this section, the following vessels subject to the International Convention for Safety at Life at Sea, 1974, (SOLAS) as amended, that are on an international voyage must also comply with SOLAS, chapter V, as amended by SOLAS 2000 Amendments and Conference resolution 1 (Incorporated by reference, see §164.03):

(i) Passenger vessels, of 150 gross tonnage or more, not later than July 1, 2003;

(ii) Tankers, regardless of tonnage, not later than the first safety survey for safety equipment on or after July 1, 2003;

(iii) Vessels, other than passenger vessels or tankers, of 50,000 gross tonnage or more, not later than July 1, 2004; and

(iv) Vessels, other than passenger vessels or tankers, of 300 gross tonnage or more but less than 50,000 gross tonnage, not later than the first safety survey for safety equipment on or after July 1, 2004, but no later than December 31, 2004.

(b) Notwithstanding paragraphs (a)(1) and (a)(2) of this

section, the following vessels, transiting an area listed in table 161.12(c) of §161.12 of this part.

(1) Each self-propelled vessel of 65 feet or more in length, engaged in commercial service;

(2) Each towing vessel of 26 feet or more in length and more than 600 horsepower;

(3) Each vessel of 100 gross tons or more carrying one or more passengers for hire; and

(4) Each passenger vessel certificated to carry 50 or more passengers for hire.

(c) The vessels listed in paragraph (b) of this section must comply according to the following schedule:

(1) For VTS St. Marys River, not later than December 31, 2003;

(2) For VTS Berwick Bay, VMRS Los Angeles/Long Beach, VTS Lower Mississippi River, VTS Port Arthur and VTS Prince William Sound, not later than July 1, 2004; and

(3) For VTS Houston-Galveston, VTS New York, VTS Puget Sound, and VTS San Francisco, not later than December 31, 2004.

(d) The requirements for Vessel Bridge-to Bridge radio-telephones in §§26.04(a) and (c), 26.05, 26.06 and 26.07 of this chapter, also apply to AIS. The term “effective operating condition” used in §26.06 includes accurate input and upkeep of all AIS data fields, including estimated time of arrival, destination, and number of people on board.

(e) The use of a portable AIS is permissible, only to the extent that electromagnetic interference does not affect the proper function of existing navigation and communication equipment on board, and such that only one AIS unit may be in operation at any one time.

(f) The AIS Pilot Plug, on each vessel over 1,600 gross tons, on international voyage, shall be available for pilot use, easily accessible from the primary conning position of the vessel, and near an AC power receptacle.

(FR 7/1/03)

34/03

COAST PILOT 6 33 Ed 2003 Change No. 11

Page 83 to Page 84; read:

TABLE 161.12(C).—VTS and VMRS Centers, Call Signs/MMSI, Designated Frequencies, and Monitoring Areas		
Center MMSI¹ Call Sign	Designated frequency (Channel designation)—purpose²	Monitoring area^{3, 4}
Berwick Bay—003669950 <i>Berwick Traffic</i>	156.550 MHz (Ch. 11)	The waters south of 29°45'N., west of 91°10'W., north of 29°37'N., and east of 91°18'W.
Houston-Galveston— 003669954 <i>Houston Traffic</i>	156.550 MHz (Ch. 11) 156.250 MHz (Ch. 5A)— For Sailing Plans only	The navigable waters north of 29°N., west of 94°20'W., south of 29°49'N., and east of 95°20'W.
<i>Houston Traffic</i>	156.600 MHz (Ch. 12) 156.250 MHz (Ch. 5A)— For Sailing Plans only	The navigable waters north of a line extending due west from the southern most end of Exxon Dock #1 (20°43.37'N., 95°01.27'W.)
		The navigable waters south of a line extending due west from the southern most end of Exxon Dock #1 (20°43.37'N., 95°01.27'W.)

COAST PILOT 6 (Continued)

Los Angeles/Long Beach: MMSI/To be determined <i>San Pedro Traffic</i>	156.700 MHz (Ch. 14)	<i>Vessel Movement Reporting System Area:</i> The navigable waters within a 25 nautical mile radius of Point Fermin Light (33°42.3'N., 118°17.6'W.)
Louisville: Not applicable <i>Louisville Traffic</i>	156.650 MHz (Ch. 13)	The waters of the Ohio River between McAlpine Locks (Mile 606) and Twelve Mile Island (Mile 593), only when the McAlpine upper pool gauge is at approximately 13.0 feet or above.
Lower Mississippi River ⁵ — 0036699952		
<i>New Orleans Traffic</i>	156.700 MHz (Ch. 14)	The navigable waters of the Lower Mississippi River below 30°38.7'N., 91°17.5'W. (Port Hudson Light at 255 miles Above Head of Passes (AHP)), the Southwest Pass, and, within a 12 nautical miles radius around 28°54.3'N., 89°25.7'W. (Southwest Pass Entrance Light at 19.9 miles Below Head of Passes).
<i>New Orleans Traffic</i>	156.600 MHz (Ch. 12)	<i>New Orleans Sector.</i> The navigable waters of the Lower Mississippi River bounded on the north by a line drawn perpendicular at 29°56.4'N., 90°08.36'W. and on the south by a line drawn perpendicularly at 29°56.24'N., 89°59.86'W. (88 and 106 miles AHP).
New York —003669951 <i>New York Traffic</i>	156.550 MHz (Ch.11)—For Sailing Plans only 156.600 MHz (Ch. 12)— For vessels at anchor	The area consists of the navigable waters of the Lower New York Bay bounded on the east by a line drawn from Norton Point to Breezy Point; on the south by a line connecting the entrance buoys at the Ambrose Channel, Swash Channel, and Sandy Hook Channel to Sandy Hook Point; and on the southeast including the waters of Sandy Hook Bay south to a line drawn at latitude 40°25'N.; then west in the Raritan Bay to the Raritan River Railroad Bridge, then north into waters of the Arthur Kill and Newark Bay to the Lehigh Valley Draw Bridge at latitude 40°41.9'N.; and then east including the waters of the Kill Van Kull and the Upper New York Bay north to a line drawn east-west from the Holland Tunnel ventilator shaft at latitude 40°43.7'N., longitude 74°01.6'W., in the Hudson River; and then continuing east including the waters of the East River to the Throgs Neck Bridge, excluding the Harlem River.
<i>New York Traffic</i>	156.700 MHz (Ch. 14)	The navigable waters of the Lower New York Bay west of a line drawn from Norton Point to Breezy Point; and north of a line connecting the entrance buoys of Ambrose Channel, Swash Channel, and Sandy Hook Channel, to Sandy Hook Point; on the southeast including the waters of the Sandy Hook Bay south to a line drawn at latitude 40°25'N.; then west into the waters of Raritan Bay East Reach to a line drawn from Great Kills Light south through Raritan Bay East Reach LGB #14 to Comfort PT, NJ; then north including the waters of the Upper New York Bay south of 40°42.40'N. (Brooklyn Bridge) and 40°43.70'N. (Holland Tunnel Ventilator Shaft); west through the KVK into the Arthur Kill north of 40°38.25'N. (Arthur Kill Railroad Bridge); then north into the waters of the Newark Bay, south of 40°41.95'N. (Lehigh Valley Draw Bridge).

COAST PILOT 6 (Continued)

<i>New York Traffic</i>	156.600 MHz (Ch. 12)	The navigable waters of the Raritan Bay south to a line drawn at latitude 40°26'N.; then west of a line drawn from Great Kills Light south through the Raritan Bay East Reach LGB #14 to Point Comfort, NJ; then west to the Raritan River Railroad Bridge; and north including the waters of the Arthur Kill to 40°28.25'N. (Arthur Kill Railroad Bridge); including the waters of the East River north of 40°42.40'N. (Brooklyn Bridge) to the Throgs Neck Bridge, excluding the Harlem River.
Port Arthur ⁵ —003669955 <i>Sabine Traffic</i>	To be determined	The navigable waters south of 30°10'N., east of 94°20'W., west of 93°22'W. and, north of 29°10'N.
Prince William Sound— 003669958 <i>Valdez Traffic</i>	156.650 MHz (Ch. 13)	The navigable waters south of 61°05'N., east of 147°20'W., north of 60°N., and west of 146°30'W.; and, all navigable waters in Port Valdez.
Puget Sound ⁶ <i>Seattle Traffic</i> —003669957	156.700 MHz (Ch. 14)	The waters of Puget Sound, Hood Canal and adjacent waters south of a line connecting Marrowstone Point and Lagoon Point in Admiralty Inlet and south of a line drawn due east from the southernmost tip of Possession Point on Whidbey Island to the shoreline.
<i>Seattle Traffic</i> —003669957	156.250 MHz (Ch. 5A)	The waters of the Strait of Juan de Fuca east of 124°40'W. excluding the waters in the central portion of the Strait of Juan de Fuca north and east of Race Rocks; the navigable waters of the Strait of Georgia east of 122°52'W.; the San Juan Island Archipelago, Rosario Strait, Bellingham Bay; Admiralty Inlet north of a line connecting Marrowstone Point and Lagoon Point and all waters east of Whidbey Island North of a line drawn due east from the southernmost tip of Possession Point on Whidbey Island to the shoreline.
<i>Tofino Traffic</i> —003160012	156.725 MHz (Ch. 74)	The waters west of 124°40'W. within 50 nautical miles of the coast of Vancouver Island including the waters north of 48°N., and east of 127°W.
<i>Victoria Traffic</i> —003160010	156.550 MHz (Ch. 11)	The waters of the Strait of Georgia west of 122°52'W., the navigable waters of the central Strait of Juan de Fuca north and east of Race Rocks, including the Gulf Island Archipelago, Boundary Pass and Haro Strait.
San Francisco—003669956 <i>San Francisco Traffic</i>	156.700 MHz (Ch. 14)	The navigable waters of the San Francisco Offshore Precautionary Area, the navigable waters shoreward of the San Francisco Offshore Precautionary Area east of 122°42.0'W. and north of 37°40.0'N. extending eastward through the Golden Gate, and the navigable waters of San Francisco Bay and as far east as the port of Stockton on the San Joaquin River, as far north as the port of Sacramento on the Sacramento River.
<i>San Francisco Traffic</i>	156.600 MHz (Ch. 12)	The navigable waters within a 38 nautical mile radius of Mount Tamalpais (37°55.8'N., 122°34.6'W.) west of 122°42.0'W. and south of 37°40.0'N. and excluding the San Francisco Offshore Precautionary Area.

COAST PILOT 6 (Continued)

St. Marys River—003669953 <i>Soo Traffic</i>	156.600 MHz (Ch. 12)	The waters of the St. Marys River between 45°57'N. (De Tour Reef Light) and 46°38.7'N. (Ile Parisienne Light), except the St. Marys Falls Canal and those navigable waters east of a line from 46°04.16'N. and 46°01.57'N. (La Pointe to Sims Point in Potagannissing Bay and Worsley Bay).
<p>Notes:</p> <p>¹Maritime Mobile Service Identifier (MMSI) is a unique nine-digit number assigned that identifies ship stations, ship earth stations, coast stations, coast earth stations, and group calls for use by a digital selective calling (DSC) radio, an INMARSAT ship earth station or AIS. AIS requirements are set forth in §§161.21 and 164.46 of this subchapter.</p> <p>²In the event of a communication failure, difficulties or other safety factors, the Center may direct or permit a user to monitor and report on any other designated monitoring frequency or the bridge-to-bridge navigational frequency, 156.650 MHz (Channel 13) or 156.375 MHz (Ch. 67), to the extent that doing so provides a level of safety beyond that provided by other means. The bridge-to-bridge navigational frequency, 156.650 MHz (Ch. 13), is used in certain monitoring areas where the level of reporting does not warrant a designated frequency.</p> <p>³All geographic coordinates (latitude and longitude) are expressed in North American Datum of 1983 (NAD 83).</p> <p>⁴Some monitoring areas extend beyond navigable waters. Although not required, users are strongly encouraged to maintain a listening watch on the designated monitoring frequency in these areas. Otherwise, they are required to maintain watch as stated in 47 CFR 80.148.</p> <p>⁵Until rules regarding VTS Lower Mississippi River and VTS Port Arthur are published, vessels are exempted of all VTS and VMRS requirements set forth in 33 CFR part 161, except those set forth in §§161.21 and 161.46 of this subchapter.</p> <p>⁶A Cooperative Vessel Traffic Service was established by the United States and Canada within adjoining waters. The appropriate Center administers the rules issued by both nations; however, enforces only its own set of rules within its jurisdiction. Note, the bridge-to-bridge navigational frequency, 156.650 MHz (Ch. 13), is not so designated in Canadian waters, therefore users are encouraged and permitted to make passing arrangements on the designated monitoring frequencies.</p>		

(FR 7/1/03)

34/03

COAST PILOT 6 33 Ed 2003 Change No. 12

Page 45 to Page 46; strike out.

(FR 7/1/03)

34/03

Page 47—Paragraph 30, line 7; read:

Table 161.12(c) (VTS and VMRS Centers, Call Signs/MMSI, Designated Frequencies, and ...

(FR 7/1/03)

34/03

Page 81—Paragraph 870, line 4; read:

which the direction of traffic may be recommended.

Navigable waters means all navigable waters of the United States including the territorial sea of the United States, extending to 12 nautical miles from United States baselines, as described in Presidential Proclamation No. 5928 of December 27, 1988.

(FR 7/1/03)

34/03

Page 81—Paragraphs 872 to 876; read:

Vessel Movement Center (VMC) means the shore-based facility that operates the vessel tracking system for a Vessel Movement Reporting System (VMRS) area or sector within such an area. The VMC does not necessarily have the capability or qualified personnel to interact with marine traffic, nor does it necessarily respond to traffic situations developing in the area, as does a Vessel Traffic Service (VTS).

Vessel Movement Reporting System (VMRS) means a man-

datory reporting system used to monitor and track vessel movements. This is accomplished by a vessel providing information under established procedures as set forth in this part in the areas defined in Table 161.12(c) (VTS and VMRS Centers, Call Signs/MMSI, Designated Frequencies, and Monitoring Areas).

Vessel Movement Reporting System (VMRS) User means a vessel, or an owner, operator, charterer, Master, or person directing the movement of a vessel that is required to participate in a VMRS.

(FR 7/1/03)

34/03

Page 82—Paragraph 909, line 1; read:

(b) If, in a specific circumstance, a VTS User is unable ...

(FR 7/1/03)

34/03

Page 82—Paragraph 910 to Paragraph 912, line 1; read:

(c) When not exchanging voice communications, a VTS User must maintain a listening watch as required by §26.04(e) of this chapter on the VTS frequency designated in Table 161.12(c) (VTS and VMRS Centers, Call Signs/MMSI, Designated Frequencies, and Monitoring Areas). In addition, the VTS User must respond promptly when hailed and communicated in the English language.

Note to §161.12(c): As stated in 47 CFR 80.148(b), a very high frequency watch on Channel 16 (156.800 MHz) is not required on vessels subject to the Vessel Bridge-to-Bridge Radiotelephone Act and participating in a Vessel Traffic Service (VTS) system when the watch is maintained on both the vessel bridge-to-bridge frequency and a designated VTS fre-

COAST PILOT 6 (Continued)

quency.

- (d) As soon as practicable a VTS User shall notify ...
(FR 7/1/03) 34/03

Page 85—Paragraph 928, lines 2 to 6; read:

a system used to monitor and track vessel movements within a VTS or VMRS area. This is accomplished by requiring that vessels provide information under established procedures as set forth in this part, or as directed by the Center.

(FR 7/1/03) 34/03

Page 85—Paragraph 929, line 5 to Paragraph 930; read:
are consolidated into three reports (sailing plan, position, and final).

§161.16 Applicability.

Unless otherwise stated, the provisions of this subpart apply to the following vessels and VMRS Users:

(FR 7/1/03) 34/03

Page 85—Paragraph 934 to Paragraph 935, line 1; read:

As used in the subpart:

Center means a Vessel Traffic Center or Vessel Movement Center.

Published means available in a widely-distributed and publicly available medium (e.g., VTS User's Manual, ferry schedule, Notice to Mariners).

§161.18 Reporting requirements.

- (a) A Center may: (1) Direct a vessel to provide any of ...
(FR 7/1/03) 34/03

Page 85—Paragraph 938, line 3; read:

Table 161.12(c) (VTS and VMRS Centers, Call Signs/MMSI, Designated Frequencies, ...

(FR 7/1/03) 34/03

Page 85—Paragraph 939, line 4; read:

designated in Table 161.12(c) (VTS and VMRS Centers, Call Signs/MMSI, ...

(FR 7/1/03) 34/03

Page 85—Paragraph 940, line 7 to Paragraph 941, line 4; read:

VTS frequency.

- (d) A vessel must report:

(1) Any significant deviation from its Sailing Plan, as defined in §161.19, or from previously reported information; or

(2) Any intention to deviate from a VTS issued measure or vessel traffic routing system.

- (e) When reports required by this part include time ...
(FR 7/1/03) 34/03

Page 85—Paragraphs 950 to 957; read:

- (a) Upon point of entry into a VMRS area;
(b) At designated points as set forth in Subpart C; or
(c) When directed by the Center.

§161.21 Automated reporting.

(a) Unless otherwise directed, vessels equipped with an Automatic Identification System (AIS) are required to make continuous, all stations, AIS broadcasts, in lieu of voice Position Reports, to those Centers denoted in Table 161.12(c) of this part.

(b) Should an AIS become non-operational, while or prior to navigating a VMRS area, it should be restored to operating condition as soon as possible, and, until restored a vessel must:

- (1) Notify the Center;
(2) Make voice radio Position Reports at designated reporting points as required by §161.20(b) of this part; and
(3) Make any other reports as directed by the Center.

(FR 7/1/03) 34/03

Page 87—Paragraph 966, line 3; read:

the VMRS area; and ...

(FR 7/1/03) 34/03

COAST PILOT 6**33 Ed 2003****Change No. 13**

Page 1—Paragraph 2, line 4; read:

<http://nauticalcharts.noaa.gov/>. A subscription to the Local ...

(NOS/03) 34/03

Page 107—Paragraph 1500; insert after:

§165.9 Geographic application of limited and controlled access areas and regulated navigation areas.

(a) *General.* The geographic application of the limited and controlled access areas and regulated navigation areas in this part are determined based on the statutory authority under which each is created.

(b) *Safety zones and regulated navigation areas.* These zones and areas are created under the authority of the Ports and Waterways Safety Act, 33 U.S.C. 1221–1232. Safety zones established under 33 U.S.C. 1226 and regulated navigation areas may be established in waters subject to the jurisdiction of the United States as defined in §2.38 of this chapter, including the territorial sea to a seaward limit of 12 nautical miles from the baseline.

(c) *Security zones.* These zones have two sources of authority—the Ports and Waterways Safety Act, 33 U.S.C. 1221–1232, and the Act of June 15, 1917, as amended by both the Magnuson Act of August 9, 1950 (“Magnuson Act”), 50 U.S.C. 191–195, and sec. 104 the Maritime Transportation Security Act of 2002 (Pub. L. 107-295, 116 Stat. 2064). Security zones established under either 33 U.S.C. 1226 or 50 U.S.C. 191 may be established in waters subject to the jurisdiction of the United States as defined in §2.38 of this chapter, including the territorial sea to a seaward limit of 12 nautical miles from the baseline.

(d) *Naval vessel protection zones.* These zones are issued under the authority of 14 U.S.C. 91 and 633 and may be established in waters subject to the jurisdiction of the United States as defined in §2.38 of this chapter, including the territorial sea to a seaward limit of 3 nautical miles from the baseline.

(FR 7/18/03) 34/03

COAST PILOT 6 (Continued)

Page 369—Paragraph 327, lines 8 to 9; read:

In 2002, the reported controlling depth in the channel was 4.8 feet. Mariners entering the harbor do so at their ...

(BP 180540; CL 803/03) 34/03

COAST PILOT 6 33 Ed 2003 Change No. 14

Page 310—Paragraph 54, lines 5 to 8; read:

breakwaters. In April 2003, the controlling depths were 4 feet (4.3 feet at midchannel) in the entrance channel to the basin with 6 to 8 feet in the basin (except for lesser depths along the E and N edges.)

(DD 4181) 34/03

Page 311—Paragraph 60, lines 6 to 12; read:

ends of the breakwaters are marked by lights. In April 2003, the controlling depths were 6.7 feet (7 feet at midchannel) in the entrance channel and between the breakwaters to the harbor basin with 8 to 10 feet in the N section (except for lesser depths in the NW corner) and 5 to 6 feet in the S section of the basin (except for lesser depths along the SE edge.)

(DD 4180) 34/03

Page 356—Paragraph 197; read:

In 2000-April 2003, the controlling depths in the dredged channel were 12.1 feet in the left half and 23.3 feet in the right half of the entrance channel to the lakeward end of the S pier (except for shoaling in the right half to 17.8 feet just NW of the South Pierhead Light); thence in 2000-July 2002, 17 feet (19.6 feet at midchannel) to Manistee Lake (except for shoaling to 10 feet in the right outside quarter, beginning about 0.4 mile above the mouth and continuing about 600 feet upriver, and shoaling to 13.3 feet in the right outside quarter, about 350 feet W of the Maple Street bridge.)

(DDs 4213-16) 34/03

Page 358—Paragraph 221, lines 1 to 3; read:

In July-September 2002, the controlling depth was 20.2 feet (28 feet at midchannel) in the entrance channel and through the ...

(DD 3490; DD 3890) 34/03

Page 359—Paragraph 237, lines 4 to 7; read:

marked by lights. In July 2002-April 2003, the controlling depth was 5.8 feet in the entrance and between the piers to the lake. Currents ...

(DD 4211) 34/03

Page 369—Paragraph 332, lines 1 to 5; read:

In May 2003, the controlling depth was 17.1 feet (21 feet at midchannel) in the entrance and through the outer basin to Lake Macatawa (except for shoaling to 10 feet along the N edge of the channel in the outer basin); thence in October-November 2002, the ...

(DD 4253) 34/03

Page 413—Paragraph 658, lines 7 to 13; read:

In May 2003, the controlling depths were 8.4 feet in the entrance and between the piers to the basin, thence 17 to 24 feet in the basin (except for lesser depths along the NW edge), thence 8.1 feet to ...

(DDs 4251-52) 34/03

**COAST PILOT 7 34 Ed 2002 Change No. 24
LAST NM 32/03**

Page 1—Paragraph 2, line 4; read:

nauticalcharts.noaa.gov/. A subscription to the Local Notice to ...

(NOS/03) 34/03

Page 127—Paragraph 2961; insert after:

§165.9 Geographic application of limited and controlled access areas and regulated navigation areas.

(a) *General.* The geographic application of the limited and controlled access areas and regulated navigation areas in this part are determined based on the statutory authority under which each is created.

(b) *Safety zones and regulated navigation areas.* These zones and areas are created under the authority of the Ports and Waterways Safety Act, 33 U.S.C. 1221–1232. Safety zones established under 33 U.S.C. 1226 and regulated navigation areas may be established in waters subject to the jurisdiction of the United States as defined in §2.38 of this chapter, including the territorial sea to a seaward limit of 12 nautical miles from the baseline.

(c) *Security zones.* These zones have two sources of authority—the Ports and Waterways Safety Act, 33 U.S.C. 1221–1232, and the Act of June 15, 1917, as emended by both the Magnuson Act of August 9, 1950 (“Magnuson Act”), 50 U.S.C. 191–195, and sec. 104 the Maritime Transportation Security Act of 2002 (Pub. L. 107-295, 116 Stat. 2064). Security zones established under either 33 U.S.C. 1226 or 50 U.S.C. 191 may be established in waters subject to the jurisdiction of the United States as defined in §2.38 of this chapter, including the territorial sea to a seaward limit of 12 nautical miles from the baseline.

(d) *Naval vessel protection zones.* These zones are issued under the authority of 14 U.S.C. 91 and 633 and may be established in waters subject to the jurisdiction of the United States as defined in §2.38 of this chapter, including the territorial sea to a seaward limit of 3 nautical miles from the baseline.

(FR 7/18/03) 34/03

**COAST PILOT 8 25 Ed 2003 Change No. 5
LAST NM 33/03**

Page 46—Paragraph 33, line 7; read:

161.12(c) (VTS and VMRS Centers, Call Signs/MMSI, Designated Frequencies, and ...

(FR 7/1/03) 34/03

Page 47 to Page 48; strike out.

(FR 7/1/03) 34/03

COAST PILOT 8 (Continued)

Page 68—Paragraph 486, line 4; read:

which the direction of traffic may be recommended.

Navigable waters means all navigable waters of the United States including the territorial sea of the United States, extending to 12 nautical miles from United States baselines, as described in Presidential Proclamation No. 5928 of December 27, 1988.

(FR 7/1/03)

34/03

Page 69—Paragraphs 488 to 492; read:

Vessel Movement Center (VMC) means the shore-based facility that operates the vessel tracking system for a Vessel Movement Reporting System (VMRS) area or sector within such an area. The VMC does not necessarily have the capability or qualified personnel to interact with marine traffic, nor does it necessarily respond to traffic situations developing in the area, as does a Vessel Traffic Service (VTS).

Vessel Movement Reporting System (VMRS) means a mandatory reporting system used to monitor and track vessel movements. This is accomplished by a vessel providing information under established procedures as set forth in this part in the areas defined in Table 161.12(c) (VTS and VMRS Centers, Call Signs/MMSI, Designated Frequencies, and Monitoring Areas).

Vessel Movement Reporting System (VMRS) User means a vessel, or an owner, operator, charterer, Master, or person directing the movement of a vessel that is required to participate in a VMRS.

(FR 7/1/03)

34/03

Page 70—Paragraph 525, line 1; read:

(b) If, in a specific circumstance, a VTS User is unable ...
(FR 7/1/03)

34/03

Page 70—Paragraph 526 to Paragraph 528, line 1; read:

(c) When not exchanging voice communications, a VTS User must maintain a listening watch as required by §26.04(e) of this chapter on the VTS frequency designated in Table 161.12(c) (VTS and VMRS Centers, Call Signs/MMSI, Designated Frequencies, and Monitoring Areas). In addition, the VTS User must respond promptly when hailed and communicated in the English language.

Note to §161.12(c): As stated in 47 CFR 80.148(b), a very high frequency watch on Channel 16 (156.800 MHz) is not required on vessels subject to the Vessel Bridge-to-Bridge Radiotelephone Act and participating in a Vessel Traffic Service (VTS) system when the watch is maintained on both the vessel bridge-to-bridge frequency and a designated VTS frequency.

(d) As soon as practicable a VTS User shall notify ...
(FR 7/1/03)

34/03

Page 70—Paragraph 543, line 2 to Page 73—Paragraph 544, line 1; read:

a system used to monitor and track vessel movements within a VTS or VMRS area. This is accomplished by requiring that vessels provide information under established procedures as set forth in this part, or as directed by the Center.

(b) To avoid imposing an undue reporting burden ...

(FR 7/1/03)

34/03

Page 73—Paragraph 544, line 5 to Paragraph 545; read:

are consolidated into three reports (sailing plan, position, and final).

§161.16 Applicability.

Unless otherwise stated, the provisions of this subpart apply to the following vessels and VMRS Users:

(FR 7/1/03)

34/03

Page 73—Paragraph 549, line 1 to Paragraph 550; read:

As used in the subpart:

Center means a Vessel Traffic Center or Vessel Movement Center.

Published means available in a widely-distributed and publicly available medium (e.g., VTS User's Manual, ferry schedule, Notice to Mariners).

§161.18 Reporting requirements.

(a) A Center may: (1) Direct a vessel to provide any of ...
(FR 7/1/03)

34/03

Page 73—Paragraph 553, line 3; read:

Table 161.12(c) (VTS and VMRS Centers, Call Signs/MMSI, Designated Frequencies, ...
(FR 7/1/03)

34/03

Page 73—Paragraph 554, line 4; read:

designated in Table 161.12(c) (VTS and VMRS Centers, Call Signs/MMSI, Designated ...
(FR 7/1/03)

34/03

Page 73—Paragraph 555, line 7 to Paragraph 556, line 1; read:

VTS frequency.

(d) A vessel must report:

(1) Any significant deviation from its Sailing Plan, as defined in §161.19, or from previously reported information; or

(2) Any intention to deviate from a VTS issued measure or vessel traffic routing system.

(e) When reports required by this part include time ...

(FR 7/1/03)

34/03

COAST PILOT 8

25 Ed 2003

Change No. 6

Page 71 to Page 72; read:

TABLE 161.12(C).—VTS and VMRS Centers, Call Signs/MMSI, Designated Frequencies, and Monitoring Areas

COAST PILOT 8 (Continued)

Center MMSI ¹ Call Sign	Designated frequency (Channel designation)—purpose ²	Monitoring area ^{3, 4}
Berwick Bay—003669950 <i>Berwick Traffic</i>	156.550 MHz (Ch. 11)	The waters south of 29°45'N., west of 91°10'W., north of 29°37'N., and east of 91°18'W.
Houston-Galveston— 003669954		The navigable waters north of 29°N., west of 94°20'W., south of 29°49'N., and east of 95°20'W.
<i>Houston Traffic</i>	156.550 MHz (Ch. 11) 156.250 MHz (Ch. 5A)— For Sailing Plans only	The navigable waters north of a line extending due west from the southern most end of Exxon Dock #1 (20°43.37'N., 95°01.27'W.)
<i>Houston Traffic</i>	156.600 MHz (Ch. 12) 156.250 MHz (Ch. 5A)— For Sailing Plans only	The navigable waters south of a line extending due west from the southern most end of Exxon Dock #1 (20°43.37'N., 95°01.27'W.)
Los Angeles/Long Beach: MMSI/To be determined <i>San Pedro Traffic</i>	156.700 MHz (Ch. 14)	<i>Vessel Movement Reporting System Area:</i> The navigable waters within a 25 nautical mile radius of Point Fermin Light (33°42.3'N., 118°17.6'W.)
Louisville: Not applicable <i>Louisville Traffic</i>	156.650 MHz (Ch. 13)	The waters of the Ohio River between McAlpine Locks (Mile 606) and Twelve Mile Island (Mile 593), only when the McAlpine upper pool gauge is at approximately 13.0 feet or above.
Lower Mississippi River ⁵ — 0036699952		
<i>New Orleans Traffic</i>	156.700 MHz (Ch. 14)	The navigable waters of the Lower Mississippi River below 30°38.7'N., 91°17.5'W. (Port Hudson Light at 255 miles Above Head of Passes (AHP)), the Southwest Pass, and, within a 12 nautical miles radius around 28°54.3'N., 89°25.7'W. (Southwest Pass Entrance Light at 19.9 miles Below Head of Passes).
<i>New Orleans Traffic</i>	156.600 MHz (Ch. 12)	<i>New Orleans Sector.</i> The navigable waters of the Lower Mississippi River bounded on the north by a line drawn perpendicular at 29°56.4'N., 90°08.36'W. and on the south by a line drawn perpendicularly at 29°56.24'N., 89°59.86'W. (88 and 106 miles AHP).
New York —003669951 <i>New York Traffic</i>	156.550 MHz (Ch.11)—For Sailing Plans only 156.600 MHz (Ch. 12)— For vessels at anchor	The area consists of the navigable waters of the Lower New York Bay bounded on the east by a line drawn from Norton Point to Breezy Point; on the south by a line connecting the entrance buoys at the Ambrose Channel, Swash Channel, and Sandy Hook Channel to Sandy Hook Point; and on the southeast including the waters of Sandy Hook Bay south to a line drawn at latitude 40°25'N.; then west in the Raritan Bay to the Raritan River Railroad Bridge, then north into waters of the Arthur Kill and Newark Bay to the Lehigh Valley Draw Bridge at latitude 40°41.9'N.; and then east including the waters of the Kill Van Kull and the Upper New York Bay north to a line drawn east-west from the Holland Tunnel ventilator shaft at latitude 40°43.7'N., longitude 74°01.6'W., in the Hudson River; and then continuing east including the waters of the East River to the Throgs Neck Bridge, excluding the Harlem River.

COAST PILOT 8 (Continued)

<i>New York Traffic</i>	156.700 MHz (Ch. 14)	The navigable waters of the Lower New York Bay west of a line drawn from Norton Point to Breezy Point; and north of a line connecting the entrance buoys of Ambrose Channel, Swash Channel, and Sandy Hook Channel, to Sandy Hook Point; on the southeast including the waters of the Sandy Hook Bay south to a line drawn at latitude 40°25'N.; then west into the waters of Raritan Bay East Reach to a line drawn from Great Kills Light south through Raritan Bay East Reach LGB #14 to Comfort PT, NJ; then north including the waters of the Upper New York Bay south of 40°42.40'N. (Brooklyn Bridge) and 40°43.70'N. (Holand Tunnel Ventilator Shaft); west through the KVK into the Arthur Kill north of 40°38.25'N. (Arthur Kill Railroad Bridge); then north into the waters of the Newark Bay, south of 40°41.95'N. (Lehigh Valley Draw Bridge).
<i>New York Traffic</i>	156.600 MHz (Ch. 12)	The navigable waters of the Raritan Bay south to a line drawn at latitude 40°26'N.; then west of a line drawn from Great Kills Light south through the Raritan Bay East Reach LGB #14 to Point Comfort, NJ; then west to the Raritan River Railroad Bridge; and north including the waters of the Arthur Kill to 40°28.25'N. (Arthur Kill Railroad Bridge); including the waters of the East River north of 40°42.40'N. (Brooklyn Bridge) to the Throgs Neck Bridge, excluding the Harlem River.
Port Arthur ⁵ —003669955 <i>Sabine Traffic</i>	To be determined	The navigable waters south of 30°10'N., east of 94°20'W., west of 93°22'W. and, north of 29°10'N.
Prince William Sound— 003669958 <i>Valdez Traffic</i>	156.650 MHz (Ch. 13)	The navigable waters south of 61°05'N., east of 147°20'W., north of 60°N., and west of 146°30'W.; and, all navigable waters in Port Valdez.
Puget Sound ⁶ <i>Seattle Traffic</i> —003669957	156.700 MHz (Ch. 14)	The waters of Puget Sound, Hood Canal and adjacent waters south of a line connecting Marrowstone Point and Lagoon Point in Admiralty Inlet and south of a line drawn due east from the southernmost tip of Possession Point on Whidbey Island to the shoreline.
<i>Seattle Traffic</i> —003669957	156.250 MHz (Ch. 5A)	The waters of the Strait of Juan de Fuca east of 124°40'W. excluding the waters in the central portion of the Strait of Juan de Fuca north and east of Race Rocks; the navigable waters of the Strait of Georgia east of 122°52'W.; the San Juan Island Archipelago, Rosario Strait, Bellingham Bay; Admiralty Inlet north of a line connecting Marrowstone Point and Lagoon Point and all waters east of Whidbey Island North of a line drawn due east from the southernmost tip of Possession Point on Whidbey Island to the shoreline.
<i>Tofino Traffic</i> —003160012	156.725 MHz (Ch. 74)	The waters west of 124°40'W. within 50 nautical miles of the coast of Vancouver Island including the waters north of 48°N., and east of 127°W.
<i>Victoria Traffic</i> —003160010	156.550 MHz (Ch. 11)	The waters of the Strait of Georgia west of 122°52'W., the navigable waters of the central Strait of Juan de Fuca north and east of Race Rocks, including the Gulf Island Archipelago, Boundary Pass and Haro Strait.

COAST PILOT 8 (Continued)

San Francisco—003669956 <i>San Francisco Traffic</i>	156.700 MHz (Ch. 14)	The navigable waters of the San Francisco Offshore Precautionary Area, the navigable waters shoreward of the San Francisco Offshore Precautionary Area east of 122°42.0'W. and north of 37°40.0'N. extending eastward through the Golden Gate, and the navigable waters of San Francisco Bay and as far east as the port of Stockton on the San Joaquin River, as far north as the port of Sacramento on the Sacramento River.
<i>San Francisco Traffic</i>	156.600 MHz (Ch. 12)	The navigable waters within a 38 nautical mile radius of Mount Tamalpais (37°55.8'N., 122°34.6'W.) west of 122°42.0'W. and south of 37°40.0'N. and excluding the San Francisco Offshore Precautionary Area.
St. Marys River—003669953 <i>Soo Traffic</i>	156.600 MHz (Ch. 12)	The waters of the St. Marys River between 45°57'N. (De Tour Reef Light) and 46°38.7'N. (Ile Parisienne Light), except the St. Marys Falls Canal and those navigable waters east of a line from 46°04.16'N. and 46°01.57'N. (La Pointe to Sims Point in Potagannissing Bay and Worsley Bay).
<p>Notes:</p> <p>¹Maritime Mobile Service Identifier (MMSI) is a unique nine-digit number assigned that identifies ship stations, ship earth stations, coast stations, coast earth stations, and group calls for use by a digital selective calling (DSC) radio, an INMARSAT ship earth station or AIS. AIS requirements are set forth in §§161.21 and 164.46 of this subchapter.</p> <p>²In the event of a communication failure, difficulties or other safety factors, the Center may direct or permit a user to monitor and report on any other designated monitoring frequency or the bridge-to-bridge navigational frequency, 156.650 MHz (Channel 13) or 156.375 MHz (Ch. 67), to the extent that doing so provides a level of safety beyond that provided by other means. The bridge-to-bridge navigational frequency, 156.650 MHz (Ch. 13), is used in certain monitoring areas where the level of reporting does not warrant a designated frequency.</p> <p>³All geographic coordinates (latitude and longitude) are expressed in North American Datum of 1983 (NAD 83).</p> <p>⁴Some monitoring areas extend beyond navigable waters. Although not required, users are strongly encouraged to maintain a listening watch on the designated monitoring frequency in these areas. Otherwise, they are required to maintain watch as stated in 47 CFR 80.148.</p> <p>⁵Until rules regarding VTS Lower Mississippi River and VTS Port Arthur are published, vessels are exempted of all VTS and VMRS requirements set forth in 33 CFR part 161, except those set forth in §§161.21 and 161.46 of this subchapter.</p> <p>⁶A Cooperative Vessel Traffic Service was established by the United States and Canada within adjoining waters. The appropriate Center administers the rules issued by both nations; however, enforces only its own set of rules within its jurisdiction. Note, the bridge-to-bridge navigational frequency, 156.650 MHz (Ch. 13), is not so designated in Canadian waters, therefore users are encouraged and permitted to make passing arrangements on the designated monitoring frequencies.</p>		

(FR 7/1/03)

34/03

COAST PILOT 8

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Change No. 7

Page 73—Paragraphs 565 to 572; read:

- (a) Upon point of entry into a VMRS area;
- (b) At designated points as set forth in Subpart C; or
- (c) When directed by the Center.

§161.21 Automated reporting.

(a) Unless otherwise directed, vessels equipped with an Automatic Identification System (AIS) are required to make continuous, all stations, AIS broadcasts, in lieu of voice Position Reports, to those Centers denoted in Table 161.12(c) of this part.

(b) Should an AIS become non-operational, while or prior to navigating a VMRS area, it should be restored to

operating condition as soon as possible, and, until restored a vessel must:

- (1) Notify the Center;
- (2) Make voice radio Position Reports at designated reporting points as required by §161.20(b) of this part; and
- (3) Make any other reports as directed by the Center.

(FR 7/1/03)

34/03

Page 75—Paragraph 581, line 3; read:

VMRS area; and ...

(FR 7/1/03)

34/03

Page 75—Paragraph 583, line 1 to Paragraph 593; read:

Subpart C—Vessel Traffic Service and Vessel Movement Reporting System Areas and Reporting Points

COAST PILOT 8 (Continued)

Note: All geographic coordinates contained in part ... (FR 7/1/03)	34/03	istics for a universal shipborne automatic identification system using time division multiple access in the VHF maritime mobile band, 1998-2001164.46 (FR 7/1/03)	34/03
Page 78—Paragraph 652, line 3; read: more gross tons (except as provided in paragraphs (c) and (d) of ... (FR 7/1/03)	34/03	Page 84—Paragraph 845, line 3 to Paragraph 846, line 2; read: with a rate of turn indicator.	
Page 78—Paragraph 658, lines 1 to 2; read: (c) Provisions of §§164.11(a)(2) and (c), 164.30, 164.33, and 164.46 do not apply to warships or other vessels ... (FR 7/1/03)	34/03	§164.43 Automatic Identification System Shipborne Equipment—Prince William Sound. (a) Until July 1, 2004, each vessel required to provide automated position reports to a Vessel Traffic Service (VTS) under §165.1704 of this subchapter must do so ... (FR 7/1/03)	34/03
Page 78—Paragraph 658, line 7; read: regulations regarding navigation safety. (d) Provisions of §164.46 apply to some self-propelled vessels of less 1600 gross tonnage. (FR 7/1/03)	34/03	Page 84—Paragraph 864, line 2; read: operating procedures are set forth in Part 161 of this chapter.	
Page 78—Paragraph 659, line 1; read: (a) Except as provided in §164.46(a)(2) of this part (including §§164.38 and 164.39) does ... (FR 7/1/03)	34/03	§164.46 Automatic Identification System (AIS). (a) The following vessels must have an installed, operational AIS that complies with the IMO Resolution MSC.74(69), ITU-R Recommendation M.1371-1, and IEC 61993-2, and that is installed using IMO SN/Circ.277 (Incorporated by reference, see §164.03) as of the date specified. “Length” refers to “registered length” as defined in 46 CFR, part 69. (1) Self-propelled vessels of 65 feet or more in length engaged in commercial service and on an international voyage, not later than December 31, 2004. (2) Notwithstanding paragraph (a)(1) of this section, the following vessels subject to the International Convention for Safety at Life at Sea, 1974, (SOLAS) as amended, that are on an international voyage must also comply with SOLAS, chapter V, as amended by SOLAS 2000 Amendments and Conference resolution 1 (Incorporated by reference, see §164.03): (i) Passenger vessels, of 150 gross tonnage or more, not later than July 1, 2003; (ii) Tankers, regardless of tonnage, not later than the first safety survey for safety equipment on or after July 1, 2003; (iii) Vessels, other than passenger vessels or tankers, of 50,000 gross tonnage or more, not later than July 1, 2004; and (iv) Vessels, other than passenger vessels or tankers, of 300 gross tonnage or more but less than 50,000 gross tonnage, not later than the first safety survey for safety equipment on or after July 1, 2004, but no later than December 31, 2004. (b) Notwithstanding paragraphs (a)(1) and (a)(2) of this section, the following vessels, transiting an area listed in table 161.12(c) of §161.12 of this part. (1) Each self-propelled vessel of 65 feet or more in length, engaged in commercial service; (2) Each towing vessel of 26 feet or more in length and more than 600 horsepower; (3) Each vessel of 100 gross tons or more carrying one or more passengers for hire; and (4) Each passenger vessel certificated to carry 50 or	
Page 79—Paragraph 671, line 3; read:164.74	164.74		
International Electrotechnical Commission (IEC) 3, rue de Varem, Geneva, Switzerland. IEC 61993-2, Maritime navigation and radiocommunication equipment and systems—Automatic identification systems (AIS)—part 2: Class A shipborne equipment of the universal automatic identification system (AIS)—Operational and performance requirements, methods of test and required test results First edition, 2001-12164.46 (FR 7/1/03)	34/03		
Page 79—Paragraph 673, line 3; read: November 12, 1975164.13 Resolution MSC.74(69), Annex 3, Recommendation on Performance Standards for a Universal Shipborne Automatic Identification System (AIS), adopted May 12, 1998....164.46 SN/Circ.277, Guidelines for the Installation of a Shipborne Automatic Identification System (AIS), dated January 6, 2003164.46 SOLAS, International Convention for Safety of Life at Sea, 1974, and 1988 Protocol relating thereto, 2000 Amendments, effective January and July 2002, (SOLAS 2000 Amendments).....164.46 Conference resolution 1, Adoption of amendments to the Annex to the International Convention for the Safety of Life at Sea, 1974, and amendments to Chapter V of SOLAS 1974, adopted December 12, 2002164.46 (FR 7/1/03)	34/03		
Page 79—Paragraph 676, line 4; read: Services and Ship-to-Ship Identification, 1992164.43 ITU-R Recommendation M.1371-1, Technical character-	164.43		

COAST PILOT 8 (Continued)

more passengers for hire.

(c) The vessels listed in paragraph (b) of this section must comply according to the following schedule:

(1) For VTS St. Marys River, not later than December 31, 2003;

(2) For VTS Berwick Bay, VMRS Los Angeles/Long Beach, VTS Lower Mississippi River, VTS Port Arthur and VTS Prince William Sound, not later than July 1, 2004; and

(3) For VTS Houston-Galveston, VTS New York, VTS Puget Sound, and VTS San Francisco, not later than December 31, 2004.

(d) The requirements for Vessel Bridge-to-Bridge radio-telephones in §§26.04(a) and (c), 26.05, 26.06 and 26.07 of this chapter, also apply to AIS. The term “effective operating condition” used in §26.06 includes accurate input and upkeep of all AIS data fields, including estimated time of arrival, destination, and number of people on board.

(e) The use of a portable AIS is permissible, only to the extent that electromagnetic interference does not affect the proper function of existing navigation and communication equipment on board, and such that only one AIS unit may be in operation at any one time.

(f) The AIS Pilot Plug, on each vessel over 1,600 gross tons, on international voyage, shall be available for pilot use, easily accessible from the primary conning position of the vessel, and near an AC power receptacle.

(FR 7/1/03) 34/03

this chapter, including the territorial sea to a seaward limit of 12 nautical miles from the baseline.

(d) *Naval vessel protection zones*. These zones are issued under the authority of 14 U.S.C. 91 and 633 and may be established in waters subject to the jurisdiction of the United States as defined in §2.38 of this chapter, including the territorial sea to a seaward limit of 3 nautical miles from the baseline.

(FR 7/18/03) 34/03

Page 336—Paragraph 139, lines 3 to 5; read:

The channel on the W side of Harbor Rock has a width of about 120 feet and is marked by lights. In 2001, the controlling depth was 23 feet.

(BP 175515; 25/97 CG17;
42/97 CG17; NOS 17327) 34/03

Page 338—Paragraph 184, lines 5 to 6; read:

channel and basin. In May 2001, the controlling depth was 9.5 feet in the entrance channel and basin except ...

(BP 175513) 34/03

COAST PILOT 8 25 Ed 2003 Change No. 8

Page 1—Paragraph 2, line 4; read:

<http://nauticalcharts.noaa.gov/>. A subscription to the Local ...

(NOS/03) 34/03

Page 91—Paragraph 1006; insert after:

§165.9 Geographic application of limited and controlled access areas and regulated navigation areas.

(a) *General*. The geographic application of the limited and controlled access areas and regulated navigation areas in this part are determined based on the statutory authority under which each is created.

(b) *Safety zones and regulated navigation areas*. These zones and areas are created under the authority of the Ports and Waterways Safety Act, 33 U.S.C. 1221–1232. Safety zones established under 33 U.S.C. 1226 and regulated navigation areas may be established in waters subject to the jurisdiction of the United States as defined in §2.38 of this chapter, including the territorial sea to a seaward limit of 12 nautical miles from the baseline.

(c) *Security zones*. These zones have two sources of authority—the Ports and Waterways Safety Act, 33 U.S.C. 1221–1232, and the Act of June 15, 1917, as amended by both the Magnuson Act of August 9, 1950 (“Magnuson Act”), 50 U.S.C. 191–195, and sec. 104 the Maritime Transportation Security Act of 2002 (Pub. L. 107-295, 116 Stat. 2064). Security zones established under either 33 U.S.C. 1226 or 50 U.S.C. 191 may be established in waters subject to the jurisdiction of the United States as defined in §2.38 of

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10686	<i>Boston North Channel Wreck Lighted Buoy 1A</i>		FI G 2.5s		4	Green.	
						*	34/03
11128	Logan Airport Security Zone Buoy 5	42 22 49 N 71 00 26 W				White and orange.	Marked RESTRICTED AREA. Private aid.
	*						34/03
11146.1	Logan Airport Security Zone Buoy 19	42 21 06 N 70 59 31 W				White and orange.	Marked RESTRICTED AREA. Private aid.
	*						34/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CAPE MAY HARBOR (Chart 12317)							
Cape May Inlet							
1435 135	- <i>Lighted Bell Buoy 2CM</i>	38 55 47 N 74 51 21 W	FIR 2.5s		4	Red.	
		*					34/03
2730	- FRONT LIGHT	39 38 33 N 75 35 44 W	Iso G 2s	56		White skeleton tower.	Visible on range line only. Lighted throughout 24 hours.
		*					34/03
2735	- REAR LIGHT 777 yards, 334° from front light.		F G	110		White skeleton tower, small white house.	Visible on rangeline only. Lighted throughout 24 hours.
	*						34/03
14370	BLACKWATER CREEK LIGHT 2		FIR 2.5s	15	4	TR on pile.	
					*		34/03
14390	- LIGHT 5		FI G 4s	16	4	SG on slatted pile.	
					*		34/03
14755	- LIGHT 10		FIR 4s	15	3	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15.
					*		34/03
19645	- LIGHT 15		FI G 4s	15	4	SG on multi-pile structure.	
					*		34/03
19660	- LIGHT 18		FIR 4s	15	2	TR on pile.	
					*		34/03
27330	- WRECK LIGHT WR6 Marks sunken barge.	39 23 04 N 76 15 29 W	QR	15	3	TR on multi-pile structure.	
		*					34/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
27340	- WRECK LIGHT WR7 Marks sunken barge.	39 23 48 N 76 15 38 W	Q G	15	3	SG on multi-pile structure.	
		*					34/03
CAPE HENRY TO PAMLICO SOUND (Chart 12205)							
Albemarle Sound							
31485	- LIGHT 1AS	36 09 39 N 76 04 30 W	FI G 6s	16	6	SG on pile.	
		*					34/03
32100	PINGLETON SHOAL LIGHT 1PS	35 32 45 N 75 51 12 W	FI G 4s	15	3	SG on pile.	
		*					34/03
32145	GULL SHOAL LIGHT GS	35 21 58 N 75 57 27 W	FI W 4s	45	5	NB on skeleton tower on piles.	
		*					34/03
32340	OLIVER REEF LIGHT	35 15 48 N 75 45 38 W	FI W 6s	40	7	NB on skeleton tower on piles.	
		*					34/03
CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*860	<i>Navy Data Lighted Buoy</i>	26 00 50 N 79 59 34 W	FI Y 10s			Orange can.	Maintained by U.S. Navy
							34/03
21490	- Shoal Daybeacon C						<i>Remove from list.</i>
							*
							34/03
30687	- Canal West Obstruction Buoy	29 49 07 N 83 35 35 W				Orange and white bands with orange diamond; can.	Private aid.
		*					34/03
Halifax River							
39950	- Daybeacon 19	29 17 01 N 81 03 01 W				SG-SY on pile.	
		*					34/03
CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*812	<i>Spinnaker-105-2 Lighted Buoy Marks subsea installation.</i>	28 12 01 N 91 25 54 W	Q W			White with orange bands.	SIGN: Spinnaker-SS-343-1 Private aid.
							34/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*915.7	<i>Spinnaker-109-1 Lighted Buoy Marks subsea installation.</i>	28 12 21 N 92 47 55 W	Q R			Red.	SIGN: Spinnaker-EC-312-1
							34/03
*1266	<i>Pioneer-102-1 Lighted Buoy Marks subsea installation</i>	28 14 25 N 95 28 39 W	Q W			White with orange bands.	SIGN: Pioneer-BR-10-1 Private aid.
							34/03
APALACHEE BAY (Chart 11405)							
Apalachee Bay							
1730	SHELL POINT LIGHT	30 02 21 N 84 17 41 W	FI W 6s	17	5	NG on pile.	
		*					34/03
3125	PORT ST. JOE TURNING BASIN LIGHT 30	29 48 55 N 85 18 55 W	FI R 6s	17	4	TR on pile.	
		*					34/03
LAKE BORGNE AND APPROACHES (Chart 11371)							
Mississippi Sound							
9125	GRAND PASS OYSTER BAY LIGHT 1	30 07 28 N 89 14 14 W	FI G 4s	17	5	SG on dolphin.	Ra ref.
		*					34/03
9135	NINE MILE BAYOU ENTRANCE LIGHT 2	30 02 51 N 89 25 16 W	FI R 4s	17	5	TR on dolphin.	Ra ref.
	*	*					34/03
13655 33210	GRETNA HARBOR TRAFFIC CONTROL LIGHT 97 RDB mile 96.6.	29 55 33 N 30 03 30 W	FI R 5s or FI G 5s		6	On skeleton tower.	Operated by Coast Guard Marine Safety Office New Orleans during periods of high water. Controls one way traffic around Algiers Point.
		*					34/03
13825	GUY MALLORY LIGHT 114 LDB mile 112.9.	29 58 20 N 90 14 44 W	Iso R 6s	17	7	TR on skeleton tower on piles.	
		*					34/03
13874	Kenner Bend Anchorage Upper Daybeacon 115.6	29 56 54 N 90 18 43 W				NY on pile.	Ra ref.
		*					34/03
WAX LAKE OUTLET TO FORKED ISLAND (Chart 11350)							
West Cote Blanche Bay							
Charenton Canal Entrance							
19290	JAWS ENTRANCE LIGHT 1	29 44 13 N 91 37 32 W	FI G 2.5s	17	5	SG on skeleton tower on piles.	Higher intensity on bearing 225°.
		*					34/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
21927 33967	- UPPER RANGE M FRONT PASSING LIGHT		FI G 2.5s	31	4	On same structure as Neches Canal Upper Range M Front Light.	
					*		34/03
22857	- ENTRANCE INNER RANGE REAR PASSING LIGHT		FI W 4s	12	5	On same structure as Galveston Channel Entrance Inner Range Rear Light.	
			*		*		34/03
22957	LOWER GALVESTON BAY INNER RANGE REAR PASSING LIGHT		FI W 4s	40	6	On same structure as Lower Galveston Bay Inner Range Rear Light.	
					*		34/03
23217	MORGANS POINT APPROACH OUTER RANGE FRONT PASSING LIGHT		Q G	32	4	On same structure as Morgans Point Approach Outer Range Front Light.	
					*		34/03
23221	MORGANS POINT APPROACH OUTER RANGE REAR PASSING LIGHT		FI W 4s	14	6	On same structure as Morgans Point Approach Outer Range Rear Light.	
					*		34/03
Rigolets - New Orleans							
33095	NEW ORLEANS CUT LIGHT 1	30 05 20 N 89 44 29 W	FI G 4s	17	5	SG-SY on pile.	
		*					34/03
33967 21927	- UPPER RANGE M FRONT PASSING LIGHT		FI G 2.5s	31	4	On same structure as Neches Canal Upper Range M Front Light.	
					*		34/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
510	NOAA Environmental Lighted Buoy EB 46006	40 47 59 N 137 31 00 W	FI (4) Y 20s			Yellow disc-shaped buoy.	
		*					34/03
LOS ANGELES AND LONG BEACH HARBORS (Chart 18751)							
Long Beach Harbor							
Downtown Marina							
2885	- JETTY LIGHT	33 45 38 N 118 10 51 W	Q W			On steel post. 10	Private aid.
		*					34/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2890	- BREAKWATER LIGHT EAST	33 45 27 N 118 10 55 W	FI G 4s			On post. 4	Private aid. HORN: 1 blast ev 20s (2s bl).
		*					34/03
2895	- BREAKWATER LIGHT WEST	33 45 24 N 118 11 00 W	FI R 4s			On post. 4	Private aid.
		*					34/03
2910	- MOLE LIGHT	33 45 29 N 118 11 28 W	FI W 4s			On post. 10	Private aid.
		*					34/03
Long Beach Harbor							
2915	SHORELINE MARINA ENTRANCE LIGHT EAST	33 45 35 N 118 11 33 W	F R			On post. 10	Private aid.
		*					34/03
2920	SHORELINE MARINA ENTRANCE LIGHT WEST	33 45 35 N 118 11 37 W	F G			On post. 10	Private aid.
		*					34/03
2960	CATALINA LANDING EAST LIGHT	33 45 41 N 118 11 58 W	FI R 6s	31		On post.	Private aid.
		*					34/03
3009	- PIER J BREAKWATER LIGHT 4	33 44 18 N 118 10 56 W	FI R 2.5s	25	5	TR on pole.	
		*					34/03
3009.1	- PIER J BREAKWATER FRONT RANGE LIGHT	33 44 14 N 118 11 42 W	Iso G 6s	59		On building.	Lighted throughout 24 hours. Private aid.
		*					34/03
3015	- ENTRANCE LIGHT 2	33 43 24 N 118 10 50 W	FI R 2.5s	41	5	TR on white skeleton tower.	
		*					34/03
3016	- RANGE FRONT LIGHT	33 44 05 N 118 11 05 W	Q R	27		KRW on pile.	Visible 1.5° each side of the rangeline. Lighted throughout 24 hours.
		*					34/03
3021	- LIGHT 4	33 43 59 N 118 11 45 W	FI R 4s	30	6	TR on post.	
		*					34/03
3022	- LIGHT 6	33 44 12 N 118 12 08 W	FI R 6s	30	6	TR on post.	
		*					34/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3023	- LIGHT 8	33 44 19 N 118 12 17 W	FI R 2.5s	26	5	TR on post.	
		*					34/03
3024	- PIER F LIGHT F	33 44 25 N 118 12 24 W	Iso W 6s	26	9	NR on post.	
		*					34/03
3026	- LIGHT 9	33 44 40 N 118 13 03 W	FI G 2.5s	26	5	SG on post.	Higher intensity beam up and down channel.
		*					34/03
3027	- LIGHT 10	33 44 47 N 118 12 56 W	FI R 2.5s	20	5	TR on post.	Higher intensity beam up and down channel. HORN: 1 blast ev 15s (2s bl).
		*					34/03
3028	- FIREBOAT PIER LIGHT	33 44 51 N 118 12 57 W	F W	15		On pile.	Private aid.
		*					34/03
3035	- LIGHT 12	33 45 27 N 118 12 59 W	FI R 2.5s	20	6	TR on post.	
		*					34/03
3040	SOUTHEAST BASIN ENTRANCE LIGHT 1	33 44 26 N 118 12 23 W	Q G	14	5	SG on post.	
		*					34/03
3045	SOUTHEAST BASIN LIGHT 3	33 44 38 N 118 11 57 W	FI G 2.5s	14	5	SG on post.	
		*					34/03
3127	PIER 400 LIGHT E	33 42 57 N 118 14 46 W	FI W 4s	35			
		*					34/03
3128	PIER 400 LIGHT S	33 43 40 N 118 14 14 W	FI W 6s	45			
		*					34/03
Los Angeles Main Channel							
3145	- LIGHT 14	33 43 19 N 118 16 04 W	FI R 2.5s	20	4	TR on post.	HORN: 1 blast ev 15s (2s bl).
		*					34/03
Los Angeles East Basin Channel							
3165	- LIGHT 1	33 45 11 N 118 16 03 W	FI G 4s	34	6	SG on dolphin.	HORN: 1 blast ev 30s (3s bl).
		*					34/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3170	- LIGHT 2	33 45 57 N 118 15 11 W	FI R 4s	15	5	TR on pile.	
		*					34/03
3186	- LIGHT B	33 42 47 N 118 15 48 W	FI W 4s	15	4	NW on steel post.	
		*					34/03
3187	- LIGHT C	33 42 43 N 118 45 56 W	FI W 2.5s	15	4	NW on steel post.	
		*					34/03
*Delete Headings: *LOS ANGELES AND LONG BEACH HARBORS (Chart 18751) *Los Angeles Outer Harbor							
3187.1	- LIGHT D	33 42 33 N 118 16 20 W	FI W 3s	15	4		Private aid.
		*					34/03
3225	- CHANNEL LIGHT 1	33 43 49 N 118 15 56 W	FI G 2.5s	25	4	SG on post.	
		*					34/03
3230	- CHANNEL LIGHT 2	33 43 51 N 118 15 53 W	FI R 4s	25	4	TR on post.	
		*					34/03
3250	- CHANNEL LIGHT 4	33 44 02 N 118 16 00 W	FI R 2.5s	15	4	TR on post.	
		*					34/03
3255	- CHANNEL LIGHT 3	33 44 02 N 118 16 03 W	FI G 4s	15	4	SG on pile.	
		*					34/03
3279	- LIGHT 4	33 42 50 N 118 16 24 W	FI R 4s	33	5	TR on post.	
		*					34/03
3290	CABRILLO BEACH LAUNCH RAMP LIGHT NORTH	33 42 49 N 118 16 58 W	FI W 4s	11		On post.	Private aid.
		*					34/03
3305	LOS ANGELES MARINA LIGHT	33 42 57 N 118 16 42 W	FI W 4s	24		On post.	Private aid.
		*					34/03
Coos Bay							
8875	- Channel Lighted Buoy 14	43 23 31 N 124 17 07 W	FI R 6s		4	Red.	
		*					34/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8955	- <i>Channel Lighted Buoy 23</i>	43 25 23 N 124 16 00 W	FI G 2.5s		5	Green.	
		*					34/03
29670	POKAI BAY BREAKWATER LIGHT 2						<i>Remove from list.</i>
							*
							34/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
	*Delete Heading: *LAKE OF THE WOODS (Chart 14999)						
16930	<i>Pine Creek Lighted Buoy 2</i>		FI R 4s		3	Red.	
							34/03
	*Add Heading: *LAKE OF THE WOODS (Chart 14999)						
16932	Pine Creek Buoy 3					Green can.	
							34/03
	*Add Heading: *Dryweed Island to Big Island						
17175	- Buoy 8					Red nun.	
							34/03
	*Add Heading: *International Falls to Dryweed Island						
17180	CAPSTAN REEF LIGHT (C)	48 38 06 N 93 03 00 W	FI W 4s	17	6	White structure.	Ra ref.
							34/03
	*Add Heading: *International Falls to Big Island						
17190	ROBERTS ISLAND LIGHT 2	48 37 12 N 93 16 00 W	FI R 4s	27 8	6	TR on skeleton tower.	
							34/03
	*Change Headings to Read: *International Falls to Dryweed Island *Canoe Channel						
17195	- Daybeacon 4 Marks rocks.	48 37 00 N 93 15 36 W				TR on skeleton tower.	
							34/03
	*Add Heading: *Dryweed Island to Big Island						
17260	South Shore Buoy 3					Green can.	
							34/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
	*Add Headings: *International Falls to Dryweed Island *Canoe Channel						
17265	South Shore Buoy 5					Green can.	34/03
	*Delete Heading: RAINY LAKE (Chart 14997) Dryweed Island to Big Island *Rainy Lake						
17270	South Shore Buoy 7					Green can.	34/03
	*Add Heading: *Rainy Lake						
17275	South Shore Buoy 8					Red nun.	34/03
	*Add Heading: *NAMAKAN LAKE-EASTERN PART (Chart 14993)						
17645	YOUR ISLAND LIGHT 9		FI G 6s	25 8	5	SG on skeleton tower.	34/03
	*Add Heading: *WESTERN KABETOGAMA LAKE (Chart 14995)						
17650	Your Island Buoy 10					Red nun.	34/03
	*Add Heading: *SANDPOINT LAKE TO LAC LA CROIX (Chart 14992)						
17685	King Williams Narrows Buoy 24					Red nun.	34/03
	*Add Heading: *WESTERN KABETOGAMA LAKE (Chart 14995)						
17690	King Williams Narrows Buoy 25					Green can.	34/03
	*Delete Heading: *SAND POINT LAKE TO LAC LA CROIX (Chart 14992)						
17700	Crane Lake Buoy 28					Red nun.	34/03
	*Add Heading: *SAND POINT LAKE TO LAC LA CROIX (Chart 14992)						
17705	Crane Lake Buoy 29					Green can.	34/03

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SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3211 <i>H 1994.37</i>	--Fishing Harbor.	50° 11.9' N 66° 23.0' W	Iso.Y. period 2s	12 4	7	Tower.	Seasonal.
				*			34/03
*3233.5 <i>H 1994.94</i>	--Wharf, E. end.	50° 11.2' N 66° 22.0' W	F.Y.	44 13		Round mast; 30.	Pilot station.
							34/03
3236 <i>H 1997</i>	--Noire Ore Terminal Range, front.	50° 09.9' N 66° 28.8' W	Iso.G. period 4s	17 5	6	Black mast; 8.	Private light.
			*		*		34/03
3240 <i>H 1997.1</i>	--Rear, 213.5 meters 247°51' from front.	50° 09.9' N 66° 28.9' W	Iso.G. period 4s	54 17	6	Mast.	Private light.
			*	*	*		34/03
3244 <i>H 1997.4</i>	--Range, front (center of wharf).	50° 09.9' N 66° 29.0' W	Iso.Y. period 4s	62 19		Mast; 51.	Visible on range line only. Private light.
			*				34/03
3248 <i>H 1997.41</i>	--Rear, 173.3 meters 179°59' from front.	50° 09.8' N 66° 29.0' W	Iso.Y. period 4s	87 27		Mast.	Visible on range line only. Private light.
			*				34/03
3536 <i>H 2142.2</i>	--Bagotville wharf, head.	48° 20.7' N 70° 52.7' W	Iso.R. period 2s	30 9	6	Gray square mast; 25.	Operates at night only.
					*	*	*
							34/03
4112 <i>H 2336.1</i>	St. Antoine Upper Range, front.	46° 40.0' N 71° 35.1' W	F.G.	33 10	17	White tower, fluorescent orange daymark, black stripe; 19.	Visible on range line only. Emergency light.
*	*			*	*	*	34/03
4116 <i>H 2335.9</i>	--Rear, 250 meters 071°56' from front.	46° 40.0' N 71° 34.9' W	F.G.	55 17	17	Skeleton tower, white upper portion, fluorescent orange daymark, black stripe; 50.	Visible on range line only. Emergency light.
*	*				*	*	34/03
4308 <i>H 2356</i>	Calvaire (Calvary) Range, front.	46° 33.4' N 72° 05.2' W	F.G.	128 39	17	White skeleton tower, fluorescent orange daymark, black stripe; 28.	Visible on range line only. F.G. 6M, visible 360°, on same structure. Emergency light.
					*	*	*
							34/03
4312 <i>H 2356.1</i>	--Rear, 616 meters 238°29' from front.	46° 32.2' N 72° 05.6' W	F.G.	177 54	17	Skeleton tower, fluorescent orange daymark, black stripe; 65.	Visible on range line only. F.G. 6M, visible 360°, on same structure. Emergency light.
				*	*	*	*
							34/03
7410	Savoy Landing.						<i>Remove from list.</i>
							*
							34/03

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SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SOURIS HARBOR:							
8084 <i>H 0922</i>	-Souris East, Knight Point.	46° 20.8' N 62° 14.8' W	Iso.W. period 4s	89 27	13	White square tower; 47.	
					*	*	* 34/03
9160 <i>H 0746</i>	Port Morien.	46° 07.8' N 59° 52.2' W	F.R.	18 5	11	Mast; 14.	Private light.
	*					*	* 34/03
9520 <i>H 3462</i>	-Graves Island breakwater Range, front.	45° 20.2' N 60° 59.1' W	F.G.	17 5	6	Skeleton mast, white daymark, red stripe; 8.	
				*	*	*	34/03
9524 <i>H 3462.1</i>	-Rear, 62 meters 164° 31' from front.	45° 20.2' N 60° 59.1' W	F.G.	22 7	6	Skeleton mast, white daymark, red stripe; 15.	
					*		34/03
*Delete Heading: *LIVERPOOL BAY:							
10236 <i>H 3728</i>	-Coffin Island, S. point, E. side of entrance.						<i>Remove from list.</i>
							* 34/03
*Add Heading: *LIVERPOOL BAY:							
10244 <i>H 3740</i>	-Western Head.	43° 59.4' N 64° 39.8' W	Fl.W. period 15s	56 17	14	White octagonal tower; 46.	Visible 180°-062°. Horn: 1 bl. ev. 60s. Horn points 104°. Emergency light.
							34/03
10528 <i>H 3785</i>	Clark's Harbor.	43° 26.5' N 65° 38.1' W	Fl.G. period 4s fl. 0.5s, ec. 3.5s	24 7	4	Skeleton tower; 20.	
			*		*		34/03
PASSAMAQUODDY BAY:							
11208 <i>H 4120</i>	-Letete Passage Fog signal.	45° 02.3' N 66° 53.5' W					Horn: 1 bl. ev. 30s. Horn points 180°.
	*		*	*	*	*	* 34/03
PUERTO DE MONTEVIDEO:							
19136 <i>G 0704</i>	-Sarandi E. breakwater, head.	34° 54.9' S 56° 13.3' W	Fl.R. period 3s fl. 0.3s, ec. 2.7s	72 22	8	Red tower, white bands; 39.	Q.W. lights on tower 2.9 miles ENE.
						*	* 34/03

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SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19140 <i>G 0706</i>	-Detached W. breakwater, SE. head.	34° 54.8' S 56° 13.6' W	FL.G. period 3s fl. 0.3s, ec. 2.7s	72 22	13	Green tower, white bands; 49.	
						*	34/03
CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
329	Playaman.	0° 53.6' S 89° 36.4' W	FL.W. period 6s fl. 0.6s, ec. 5.4s	13 4	4	White concrete structure.	
		*					34/03
CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
23084 <i>K 0828</i>	-West Island, AVIATION LIGHT.						<i>Remove from list.</i>
							*
							34/03
CORRECTIONS TO PUB 112, RADIOBEACONS, 2003 EDITION							
(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
920	West Island						<i>Remove from list.</i>
							*
							34/03
CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1736 <i>D 1458</i>	-Senocozulua.	43° 19.8' N 1° 55.6' W	Dir.Oc.(2)W.R.G. period 12s lt. 7.5s, ec. 1.5s lt. 1.5s, ec. 1.5s	171 52	W. 6 R. 3 G. 3	White prismatic tower with cupola on white building; 23.	G. 129°30'-154°30', W.-157°, R.-190°. Bounding the W. sectors, there are two small sectors in which up to 3 km. the light is but faintly seen.
	-RACON		M(- -)				
	*	*	*				34/03
2692 <i>D 1786</i>	-Cabo Reburdino.	42° 46.2' N 9° 02.9' W	FL.(2)R. period 7s fl. 0.5s, ec. 1s fl. 0.5s, ec. 5s	59 18	7	White hexagonal tower and white house; 26.	Visible 168°-019°.
			*			*	34/03
4588 <i>E 0128</i>	-Dique de Navidad (Oestre), head.	37° 35.1' N 0° 59.1' W	FL.(2)R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	49 15	5	White tower, red top; 36.	
					*		34/03

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SECTION II

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4593 <i>E 0130.5</i>	-Muelle del Carbon.	37° 35.4' N 0° 59.2' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	1	Red post; 16.	
					*	*	34/03
19696 <i>E 4588</i>	Baba Burnu (T.).	39° 28.8' N 26° 03.9' E	Fl.(4)W. period 20s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 12s	105 32	18	White metal framework tower, concrete base; 33.	
	RACON		K(- • -)				
	*	*	*		*	*	34/03

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
11428 <i>L 2847</i>	-Kjefsoyflu.	68° 13.9' N 14° 46.8' E	Q.W.	16 5	2	Iron beacon.	
				*			* 34/03
	SKROVA:						
11444 <i>L 2856</i>	-Slakoy.	68° 10.8' N 14° 43.7' E	Oc.W.R.G. period 6s	176 54	W. 6 R. 4 G. 4	White lantern.	R. 257°42'-270°54', W.- 000°48', G.-089°36', W.-094°, R.-117°30', W.-120°42', G.- 127°36'.
		*			*	*	* 34/03
11460 <i>L 2860</i>	-Saltvaerleden.	68° 09.2' N 14° 39.0' E	Iso.R. period 2s	49 15		Wooden mast.	Light in line 314°30' with Skrova light.
		*			*		34/03
11484 <i>L 2870</i>	-Vabeinet, E. entrance, W. Side.	68° 13.0' N 14° 34.0' E	Iso.G. period 2s		5	Metal Column.	
			*			*	34/03
11492 <i>L 2876</i>	-Vorsetoy, W. entrance.	68° 13.5' N 14° 33.6' E	Oc.(2)W.R.G. period 8s	36 11	W. 8 R. 6 G. 6	White lantern.	G. 200°30'-219°, W.-221°30', R.-326°, W.-350°, G.-355°.
						*	* 34/03
11496 <i>L 2878</i>	-Dynegrunnen.	68° 13.0' N 14° 34.0' E	Iso.R. period 2s	36 11		Iron pole.	
					*	*	34/03
11502 <i>L 2880.5</i>	-Stretarneset.	68° 13.2' N 14° 32.5' E	Oc.(2)W.R.G. period 8s	44 13	W. 3 R. 2 G. 2	Floodlit.	R. 148°-328°, W.-006°, G.-052°.
					*	*	34/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2002 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
11512 <i>L 2882</i>	Osan, Klipfiskholmen.	68° 14.0' N 14° 33.0' E	Oc.(3)W.R.G. period 10s	20 6	W. 2 R. 1 G. 1	White lantern on piles.	G. 179°30'-187°, R.-009°, W.-012°, G.-026°.
						*	* 34/03
15128 <i>L 6303</i>	-Ostrov Shurinov, center.	69° 09.7' N 33° 29.7' E	Oc.R. period 3s	38 12	5	Yellow 8-sided tower, white stripe; 20.	Radar reflector.
							* 34/03
17320 <i>L 9339</i>	Ostrov Uyedineniya, W. head.						<i>Remove from list.</i>
							* 34/03
CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*11938 <i>C 5725.8</i>	-Haparanda, AVIATION LIGHT.	65° 56.0' N 23° 31.7' E	V.Q.W.	1348 411	17	Radio mast.	Obstruction. 6 F.R. lights range 6M.
							34/03
11948 <i>C 5709</i>	Seskaro Grona Range, front.						<i>Remove from list.</i>
							* 34/03
11952 <i>C 5709.1</i>	-Rear, 250 meters 204° from front.						<i>Remove from list.</i>
							* 34/03
11956 <i>C 5708</i>	Seskaro Roda Range, front.						<i>Remove from list.</i>
							* 34/03
11960 <i>C 5708.1</i>	-Rear, 180 meters 150° from front.						<i>Remove from list.</i>
							* 34/03
*Delete Heading: *Zapadnaya Dvina							
12249.1 <i>C 3501.41</i>	-Rear, 127 meters 270°12' from front.	57° 09.8' N 23° 13.7' E	Iso.R. period 4s	46 14	3	Metal framework tower, white rectangular daymark, red stripe; 33.	Visible on range line only. Shown Apr. 10 to Jan. 30.
		*	*			*	* 34/03
12416 <i>C 3580.2</i>	-S. mole, head.	57° 19.0' N 24° 24.0' E	FL.G. period 3s fl. 0.5s, ec. 2.5s	23 7	1	STARBOARD (A) G, beacon; 16.	Shown Apr. 10 to Jan. 30. Radar reflector.
						*	* 34/03
12420 <i>C 3580.3</i>	-N. mole, head.	57° 19.1' N 24° 24.0' E	FL.R. period 3s fl. 0.5s, ec. 2.5s	28 8	1	PORT (A) R, beacon; 16.	Shown Apr. 10 to Jan. 30. Radar reflector.
		*		*			* 34/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

NM 34/03

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 34/03

Note: * indicates New Edition/New Publication; ** indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.
NIMA HYDRO CATALOG CATP2V01U			SDPUB140	2001	21*,48,49,51/01;8,17,23,32,42,43,44,46,47,48,50/02;4,6,7,8,9,11,12,15,19,21,22,23,24,25,26,31,32,34/03	USCG LIGHT LIST VOLUMES I - VII		
Region 1	2002	1*,2,3,4,7,8,9,10,11,14,15,17,19,20,21,22,23,24,25,26,27,28,29,30,31,32/03				COMDTM165021	2003	17*,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34/03
Region 2	2002	1*,8,15,17,20,21,22,23,24,26,28,30,32,33,34/03	SDPUB141	2001	21*,38/01	COMDTM165022	2003	17*,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34/03
Region 3	2002	1/03*	SDPUB142	2000	49/00*;3,31,35/01;1,15,43/02			
Region 4	2002	1*,23/03	SDPUB143	2000	8*,10,19,29/00;16,26/01;1,25/02;9/03	COMDTM165023	2003	17*,18,19,20,21,23,24,25,26,28,29,31,32,33,34/03
Region 5	2002	1*,3,5,8,22,27,30,33/03	SDPUB145	2000	13*,14,18,19,22,26,32,37,38,46,47,51,53/00;1,4,5,7,10,12,28,29,35,52/01;14,27/02	COMDTM165024	2003	17*,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34/03
Region 6	2002	1*,10,11,13,16,19,20,21,25,28,30,33/03						
Region 7	2002	1*,11,15,28/03	SDPUB147	2001	35/01*;21,22,23,24/02	COMDTM165025	2002	16/02*
Region 8	2002	1*,14/03				COMDTM165026	2003	18*,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34/03
Region 9	2002	1*,34/03	SDPUB148	2001	48/01*;23,24/02;22/03			
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11,12,13,15,17,18,19,20,21,23,24,25,27,28,29,30,31,32,33,34/03	SDPUB153	2000	6/01*;28,30,41,44,46,47,48,52/02;1,3,4,8,13,15,22,25,32/03	COMDTM165027	2003	18*,19,20,21,22,23,24,26,27,28,30,31,32,33,34/03
NIMA LIST OF LIGHTS			SDPUB154	2002	17*,19,31,42,44,45,46,48,50/02;3,14,19,23,30/03	FLEET GUIDES		
LLPUB110	2003	7*,8,9,11,13,14,15,16,17,18,20,21,23,24,25,26,27,28,29,31,32,33,34/03	SDPUB155	2001	31*,48/01;10,45,46/02	FGPUB940ATL	2001	N47/01*
LLPUB111	2003	33*,34/03	SDPUB159	2002	42*,48/02	FGPUB941PAC	2001	N22/01*
LLPUB112	2003	4*,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34/03	SDPUB160	2002	47*,48,49,52/02;6,8,10,11,19,21,22,23,30,33/03	NOS MISCELLANEOUS PUBLICATIONS		
LLPUB113	2002	45*,47,48,50,51,52/02;1,2,3,4,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34/03	SDPUB161	2002	23*,24,44,47,48/02;5,12/03	NOSBPCATALOG1	2000	20/00*
LLPUB114	2003	17*,19,21,22,23,24,27,31,32/03	SDPUB162	2001	51/01*;5,12/03	NOSBPCATALOG2	2000	34/00*
LLPUB115	2002	39*,40,41,44,45,50,51,52/02;1,15,19,20,26,34/03	SDPUB163	2002	18*,20,21,26,46,51/02;13,24,26,27,28,29,30,31/03	NOSBPCATALOG3	2000	28/00*
LLPUB116	2003	24*,26,27,28,29,30,31,32,33,34/03	SDPUB164	2000	30/00*;31,35,36/01;8,28/03	NOSBPCATALOG4	2000	34/00*
SAILING DIRECTIONS			SDPUB171	2001	40*,47,48,52/01;5,9,14,16,41/02;23,24,26/03	ALMANACS		
CDPUBSD125	2003	19/03*	SDPUB172	2001	1*,2,3,5,6,7,8,9,14,15,16,17,18,19,20,22,24/02;1,11,12,13,14,15,19,20,22,23,25,26,27,28,29,31,32,33,34/03	AIRALMANAC401	2004	29/03*
CDPUBSD131	2002	9/03*				NAUTALMANAC04	2004	29/03*
CDPUBSD146	2002	4/03*	SDPUB173	2002	50*,51/02;3,22,24,25,26,27,32,33,34/03	COAST PILOT		
CDPUBSD157	2003	17/03*	SDPUB174	2000	7*,19,37,45,51,52/01;1,5,14,19,22,28,33,37,38,48/02;30/03	NOSPBCP1	33	27*,28,29,32,33,34/03
CDPUBSD158	2003	24/03*	SDPUB175	2001	41*,43,45,51/01;8,11,12,13,14,16,17,21,27,37,41,49/02;26,27,29,32/03	NOSPBCP2	32	17*,18,21,22,26,28,30,32,33/03
CDPUBSD192	2002	6*,8,15,17,30,33/03	SDPUB180	2002	32*,33,42,47,48,50/02;6,13,14,17,21,24/03	NOSPBCP3	36	34/03*
CDPUBSD194	2002	12*,18,48,49,51/01;8,13,14,21,22,24,29,33,35,37,42,43,44,45,47/02;4,6,7,8,9,10,11,12,14,17,20,21,23,29,30,31/03	SDPUB181	2002	38*,39/02	NOSPBCP4	35	34/03*
SDPUB120	2001	12*,18,48,49,51/01;8,13,14,21,22,24,29,33,35,37,42,43,44,45,47/02;4,6,7,8,9,10,11,12,14,17,20,21,23,29,30,31/03	SDPUB182	2001	8*,10,12,41/02;17/03	NOSPBCP5	30	2*,6,10,12,14,18,20,27,30,32/03
SDPUB123	2001	45*,47,48/01;1,14,17,18,19/02;24,25,27,28,32/03	SDPUB183	2001	27/01*;13,15,16/02;18/03	NOSPBCP6	33	23*,27,29,32,34/03
SDPUB124	2001	18*,44,45,47,48,49,52/01;17,19,20,21,29,30,31,34,46,50/02;24,25,27,28,29,30,32/03	SDPUB191	2000	5*,7,8,9,10,11,12,13,14,15,16,17,18,19,20,22,23,27,28,29,30,31,33,34,36,44,45,47,48/01;10,14,15,16,17,42,50/02;2,9,12,15,18,22/03	NOSPBCP7	34	1*,3,10,18,20,21,22,27,30,32,34/03
SDPUB126	2002	39*,41,42,43,44,45,48/02;24,26,27,28,30,32/03				NOSPBCP8	25	32*,33,34/03
SDPUB127	2000	37*,38/00;18,33,40,44,45,48,49,52/01;1,11,13,17,18,27,33,34,37,41,47,49,51/02;5/03	SDPUB193	2000	27*,38,49/00;9,26,27,31,32/01;14,15,26,52/02;18,19,20,23,29/03	NOSPBCP9	21	30*,32,33/03
SDPUB132	2000	39*,45/00;16,17,31,35/01;1,12,21,25,26/02;2,10/03	SDPUB195	2002	33*,40,49,51,52/02;1,2,3,15,16,21,32,33/03	RADIO NAVIGATIONAL AIDS		
			SDPUB200	2002	38*,39,42/02;22,27,34/03	RAPUB117	2002	50/02*;13/03
SIGHT REDUCTION TABLES (MARINE)						AMERICAN PRACTICAL NAVIGATOR		
SRPUB229V1	1970	11/71*				NVPUB9	2002	36/02*;14/03
SRPUB229V2	1970	11/71*				INTERNATIONAL CODE OF SIGNALS		
						CDPUBNV102	2003	20/03*
RADAR NAVIGATION AND MANEUVERING BOARD MANUAL						WORLD PORT INDEX		
CDPUBNV1310	2001	51/01*				NVPUB150	2000	50/00*;14,15,16,20,21,41,42,43,44,45,46,47,48,49,51,52/01;1,2,5,6,10,11,12,16,19,21,22,27,31,32,33,36,39,40,42,46,49/02;2,7,10,15,20/03
DISTANCES BETWEEN PORTS								
NVPUB151	2001	4/02*						

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 34/03**

Note: * indicates New Edition/New Publication; ** indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.		
SRPUB229V3	1970	7/71*		
SRPUB229V4	1970	3/71*		
SRPUB229V5	1970	3/71*		
SRPUB229V6	1970	23/70*		
SIGHT REDUCTION TABLES (AIR)				
SRPUB249V1	2000	4/01*		
SRPUB249V2	1952	46/52*		
SRPUB249V3	1952	46/52*		
CHART NO. 1				
WOBZC1	1997	18/98*		
CHART NO. 4				
WOBZC4	1988	N23/91*		
ATLAS OF PILOT CHARTS				
NVPUB107	1998	30/99*		
NVPUB109	2001	49/02*		
USCG NAVIGATION RULES				
COMDTM166722D	1999	44/99*;52/00		
NOS TIDE TABLES				
NOSPBTTWCWPACIN3	2003	N4/03*		
NOSPBTTTCSTNSA3	2003	N4/03*		
NOSPBTTTEURAFR3	2003	N4/03*		
NOSPBTTWCSTNSA3	2003	N4/03*		
TIDAL CURRENT TABLES				
NOSPBTTCTATCSTN3	2003	N4/03*		
NOSPBTTCTPACAS3	2003	N4/03*		

BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

NAVAREA IV

Messages in force 071100Z August 2003:

2001 series	219(GEN)	236(11)	270(11)	312(14)	319(GEN)
393(GEN)	2003 series	261(GEN)	286(11)	315(11,26)	323(11)
2002 series	108(26,27)	262(11)	310(11,12,26)	316(26)	325(14)

The summary of all NAVAREA IV messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

NAVAREA IV WARNINGS issued from 311200Z July to 071100Z August 2003.

315/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:

A. 0400Z TO 0359Z COMMENCING DAILY

04 THRU 10 AUG IN AREA BOUND BY

30-45N 080-54W, 30-45N 080-11W,

30-36N 080-11W, 30-34N 080-54W.

B. 0400Z TO 0359Z COMMENCING DAILY

04 THRU 10 AUG IN AREA BETWEEN

29-10N 29-20N AND 079-40W 079-50W.

C. 1300Z TO 0600Z COMMENCING DAILY

05 THRU 07 AUG IN AREA BETWEEN

30-00N 29-50N AND 081-00W 080-50W.

2. CANCEL THIS MSG 110459Z AUG.

(011445Z AUG 2003)

316/03(26). NORTH ATLANTIC.

1. UNDERWATER OPERATIONS 031600Z TO 190400Z AUG

WITHIN THREE MILES OF 29-00N 078-00W.

2. CANCEL THIS MSG 190500Z AUG.

(011715Z AUG 2003)

317/03 and 318/03. CANCELED.

319/03(GEN).

1. NAVAREA IV MESSAGES IN FORCE 021000Z AUG 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.

2003 SERIES: 261(GEN), 262(11), 270(11), 286(11), 302(GEN),

304(11,26), 310(11,12,26), 312(14), 315(11,26), 316(26),

317(11,25,26), 318(14).

2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.

3. CANCEL NAVAREA IV 305/03.

(021010Z AUG 2003)

320/03 thru 322/03. CANCELED.

323/03(11). GEORGIA. NAVTEX.

NAVTEX STATION SAVANNAH OFF AIR.

(050146Z AUG 2003)

324/03. CANCELED.

325/03(14). NORTH ATLANTIC.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V GSI ADMIRAL TOWING TWO 6500 METER LONG CABLES

IN AREA BOUND BY 49-39.1N 048-16.5W,

49-30.4N 047-53.6W, 49-06.2N 048-15.3W,

49-14.8N 048-38.0W. SIX MILE BERTH REQUESTED.

2. CANCEL NAVAREA IV 318/03.

(060620Z AUG 2003)

326/03. CANCELED.

SECTION III

NM 34/03

HYDROLANTS

Messages in force 071100Z August 2003:

2000 series	2203(51)	754(37)	1291(37)	1447(36)	1472(35)
2937(38)	2682(51)	867(37)	1298(37)	1449(36)	1473(57)
3762(43)	2848(37)	903(36)	1301(37)	1454(53)	1474(52)
4265(44)	2869(52)	1048(57)	1303(54)	1456(38)	1476(23,29,57)
2001 series	2882(54)	1117(37)	1332(43)	1458(53)	1481(24)
611(44)	2883(54)	1161(51,52)	1342(55)	1459(52,53)	1482(24)
2659(GEN)	2003 series	1186(43)	1349(36,37)	1463(GEN)	1483(55)
2700(37)	41(37)	1238(37)	1361(51,52)	1464(55)	1486(37)
3161(44)	67(37)	1239(GEN)	1374(52,53)	1465(51)	1487(55)
2002 series	390(22)	1242(24)	1395(55)	1467(53)	1488(GEN)
245(GEN)	544(55)	1243(54)	1406(51)	1468(35)	1489(55)
246(GEN)	604(26,27)	1255(44)	1422(53)	1470(54)	
383(53)	738(35)	1265(52)	1441(53)	1471(36)	

The summary of all HYDROLANTS in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

HYDROLANT WARNINGS issued from 311200Z July to 071100Z August 2003.

1459/03(52,53). SICILIA.

1. SURVEY OPERATIONS 04 AUG UNTIL FURTHER NOTICE BY M/V URANIA ALONG TRACKLINE JOINING 38-08.0N 013-25.0E, 38-06.0N 012-22.7E, 37-09.0N 011-31.8E, 37-06.0N 015-19.3E, 37-31.0N 016-02.6E, 38-08.0N 015-37.6E, 38-09.0N 015-37.0E. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 1373/03.

(311800Z JUL 2003)

1460/03 thru 1462/03. CANCELED.

1463/03(GEN).

1. HYDROLANT MESSAGES IN FORCE 021100Z AUG 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 1213(35), 1238(37), 1239(GEN), 1242(24), 1243(54), 1255(44), 1265(52), 1291(37), 1298(37), 1301(37), 1303(54), 1332(43), 1342(55), 1349(36,37), 1361(51,52), 1374(52,53), 1395(55), 1406(51), 1422(53), 1423(36), 1424(GEN), 1430(53), 1434(52), 1441(53), 1443(24), 1447(36), 1449(36), 1452(24), 1454(53), 1456(38), 1458(53), 1459(52,53), 1460(24), 1461(24), 1462(24).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
3. CANCEL HYDROLANT 1182/03, 1192/03, 1193/03, 1201/03, 1212/03, 1436/03, 1457/03.

(021140Z AUG 2003)

1464/03(55). BLACK SEA.

CABLE LAYING OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY M/V VEGA AND M/V GRANIT IN AREA BETWEEN 44-31.6N 44-32.0N AND 029-33.0E 029-32.9E.

(021220Z AUG 2003)

1465/03(51). AZORES TO SPAIN.

31 FOOT S/V VESTBRIS, WHITE HULL, TWO PERSONS ON BOARD, OVERDUE PONTA DELGADA TO LA CORUNA. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO JRCC STAVANGER, TELEX: 5633163, PHONE: 475 151 7000, FAX: 475 165 2334, MRCC PONTA DELGADO OR MRCC MADRID.

(021446Z AUG 2003)

1466/03. CANCELED.

1467/03(53). SICILIA-EAST COAST.

CHART 53212 (2ND ED). PUNTA GENNALENA LIGHT 37-11.8N 015-11.2E UNLIT. PENSOLA MAGNISI LIGHT 37-09.0N 015-14.0E UNLIT.

(021633Z AUG 2003)

1468/03(35). NORTH ATLANTIC. HEBRIDES.

1. ABANDONED FISHING GEAR ADRIFT IN 58-11.2N 007-47.1W.
2. CANCEL THIS MSG 09 AUG.

(022016Z AUG 2003)

1469/03. CANCELED.

1470/03(54). ADRIATIC SEA.

MAN OVERBOARD FROM M/V MARCO POLO VICINITY
42-29.8N 017-05.7E. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO MRCC RIJEKA,
TELEX: 5992 7859, PHONE: 385 5131 2253,
FAX: 385 5131 2254.

(030911Z AUG 2003)

1471/03(36). IRISH SEA.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL
FURTHER NOTICE BY CABLESHIP WAVE SENTINEL
VICINITY 52-56N 005-40W. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 1423/03.

(031643Z AUG 2003)

1472/03(35). SCOTLAND-WEST COAST.

CHART 35299 (9TH ED).

1. MC ARTHURS HEAD LIGHT 55-46N 006-03W TEMPORARILY
CHANGED TO: FL (2) W 10 SEC 8 MILES.
2. CANCEL HYDROLANT 1434/03(52).
3. CANCEL HYDROLANT 1213/03.

(041040Z AUG 2003)

1473/03(57). GULF OF GUINEA.

1. SEISMIC SURVEY 06 AUG UNTIL FURTHER NOTICE
BY M/V RAMFORM VALIANT TOWING TEN 6000 METER
LONG CABLES IN AREA BOUND BY 02-50N 005-25E,
02-40N 005-25E, 02-40N 006-30E,
02-50N 006-30E. FIVE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 948/03.

(041516Z AUG 2003)

1474/03(52). TUNISIA-NORTH COAST.

CHART 52180 (14TH ED).

CAP BON LIGHT 37-04.7N 011-02.7E RANGE
TEMPORARILY REDUCED TO 18 MILES.

(042048Z AUG 2003)

1475/03. CANCELED.

1476/03(23,29,57). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 04 AUG:
 - A. A-38A, 22 MILES BY 48 MILES IN 59-30S 046-18W.
 - B. A-38B, 22 MILES BY 25 MILES IN 57-42S 045-36W.
 - C. A-38C, SEVEN MILES BY 11 MILES IN 55-30S 043-42W.
 - D. A-38D, TWO MILES BY TEN MILES IN 59-24S 045-12W.
 - E. A-43B, 13 MILES BY 40 MILES IN 54-24S 039-06W.
 - F. A-43C, 24 MILES BY 41 MILES IN 57-42S 031-24W.
 - G. A-43G, EIGHT MILES BY 49 MILES IN 49-36S 025-36W.
 - H. A-43I, TWO MILES BY 12 MILES IN 59-12S 035-48W.
 - I. A-46, FOUR MILES BY 11 MILES IN 53-48S 043-54W.
 - J. A-47, NINE MILES BY 14 MILES IN 52-18S 047-36W.
 - K. A-48, NINE MILES BY TEN MILES IN 59-42S 046-42W.
 - L. A-50, ONE MILE BY TEN MILES IN 59-00S 050-30W.
 - M. B-09A, 15 MILES BY 22 MILES IN 52-12S 015-54W.
2. CANCEL THIS MSG 12 AUG.

(050505Z AUG 2003)

1477/03 thru 1480/03. CANCELED.

1481/03(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 091500Z AUG
BY M/V THALES VENTURER TOWING 5500 METER
LONG CABLE IN AREA BOUND BY
23-28.0S 043-20.9W, 23-28.0S 042-46.6W,
24-05.0S 042-46.6W, 24-05.0S 043-21.0W.
TEN MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 1461/03.
3. CANCEL THIS MSG 091600Z AUG.

(060710Z AUG 2003)

1482/03(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 090259Z AUG
BY M/V CGG HARMATTAN TOWING SIX 6000 METER
LONG CABLES IN AREA BETWEEN
21-10S 20-50S AND 039-50W 040-18W.
FOUR MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 1462/03.
3. CANCEL THIS MSG 090359Z AUG.

(060720Z AUG 2003)

1483/03(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0700Z TO 1400Z DAILY
11 THRU 13 AUG IN AREA BOUND BY
44-43.8N 032-52.2E, 44-34.8N 032-37.4E,
44-39.0N 032-11.5E, 44-48.4N 032-08.2E,
45-00.2N 032-14.2E, 44-52.2N 032-41.6E.
2. CANCEL THIS MSG 131500Z AUG.

(061236Z AUG 2003)

1484/03 and 1485/03. CANCELED.

1486/03(37). BAY OF BISCAY.

1. HYDROGRAPHIC SURVEY BY M/V L'ATALANTE
09 THRU 11 AUG IN AREAS BEWTEEN:
A. 46-00N 47-00N AND 004-30W 005-30W.
B. 45-27N 45-40N AND 006-10W 006-33W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 12 AUG.

(070920Z AUG 2003)

1487/03(55). BLACK SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1000Z TO 1500Z AND 1600Z TO 2200Z
DAILY 11 AUG THRU 07 SEP IN AREA BOUND BY
44-23.0N 028-42.5E, 44-27.0N 029-01.0E,
44-20.0N 029-01.5E, 44-13.0N 028-56.5E.
2. CANCEL THIS MSG 072300Z SEP.

(070950Z AUG 2003)

1488/03(GEN). EUROPE-NORTHWEST COAST.

1. LORAN-C STATION JAN MAYEN, RATES 9007-W AND 7001-X,
OFF AIR 080830Z TO 080900Z AUG.
2. CANCEL THIS MSG 081000Z AUG.

(071040Z AUG 2003)

1489/03(55). BLACK SEA. MISSILES.

1. HAZARDOUS OPERATIONS 0200Z TO 1600Z DAILY
12 THRU 16 AUG IN AREA BOUND BY
45-06.2N 036-54.3E, 45-02.0N 037-07.1E,
44-24.4N 037-12.8E, 44-16.4N 037-13.1E,
44-15.0N 036-52.4E, 44-16.4N 036-32.0E,
44-24.4N 036-32.6E, 45-02.2N 036-37.8E,
45-06.2N 036-50.6E.
2. CANCEL THIS MSG 161700Z AUG.

(071120Z AUG 2003)

SECTION III

NM 34/03

NAVAREA XII

Messages in force 071100Z August 2003:

2001 series	2002 series	2003 series	190(19)	206(21,83)
298(GEN)	178(GEN)	169(GEN)	201(GEN)	210(18)

The summary of all NAVAREA XII messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

NAVAREA XII WARNINGS issued from 311200Z July to 071100Z August 2003.

196/03 thru 200/03. CANCELED.

201/03(GEN).

1. NAVAREA XII MESSAGES IN FORCE 021000Z AUG 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 169(GEN), 186(GEN), 190(19), 195(18), 196(18,19).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
3. CANCEL NAVAREA XII 188/03.

(021020Z AUG 2003)

202/03 thru 205/03. CANCELED.

206/03(21,83). EASTERN PACIFIC. ROCKETS.

1. HAZARDOUS OPERATIONS 080330Z TO 080600Z AUG IN AREAS BETWEEN:
 - A. 00-10N 00-10S AND 153-20W 154-20W.
 - B. 00-12N 00-12S AND 146-12W 147-18W.
 - C. 00-18N 00-18S AND 144-48W 146-30W.
 - D. 00-24N 00-24S AND 109-30W 112-18W.
2. CANCEL THIS MSG 080700Z AUG.

(041005Z AUG 2003)

207/03 thru 209/03. CANCELED.

210/03(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:

A. 34-02N 119-04W.	M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL TO THE SHORELINE.
B. 33-52N 119-06W.	N. 34-24N 120-30W.
C. 33-29N 119-07W.	O. 34-08N 120-26W.
D. 33-29N 118-37W.	P. 34-08N 119-40W.
E. 33-20N 118-37W.	Q. 34-00N 119-40W.
F. 32-11N 120-16W.	R. 34-06N 119-13W.
G. 31-54N 121-35W.	S. 34-06N 119-11W.
H. 35-09N 123-39W.	T. 34-07N 119-10W.
I. 35-29N 123-00W.	U. 34-07N 119-07W.
J. 35-04N 122-43W.	V. 34-04N 119-04W.
K. 35-57N 121-32W.	
L. 34-59N 120-42W.	
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 195/03.

(071010Z AUG 2003)

SECTION III HYDROPACS

NM 34/03

Messages in force 071100Z August 2003:

2001 series	207(62)	932(62)	1183(61)	1295(95)	1332(GEN)
1647(GEN)	445(96)	940(71)	1187(61)	1296(94,95)	1333(81)
1976(62)	495(62)	960(63)	1197(61,62)	1297(95)	1334(61)
2002 series	496(62)	992(62)	1198(92)	1300(61)	1339(83)
146(62)	506(62)	993(62)	1213(73)	1301(61)	1340(76)
205(GEN)	515(73)	998(71)	1220(62)	1302(94,95)	1342(21,83)
206(GEN)	525(73,74)	1010(63)	1222(62)	1303(94,95)	1346(23,29)
352(73)	570(62)	1031(62)	1226(83)	1304(94,95)	1350(94)
403(72,73)	638(62)	1041(71)	1227(74)	1305(71)	1351(81)
637(75)	647(74)	1091(61)	1228(63)	1313(96)	1352(83)
1765(71)	667(62)	1101(GEN)	1230(97)	1314(63)	1353(63)
2191(22)	743(62)	1106(61)	1235(81)	1315(63)	1358(94,95)
2199(63)	744(29)	1110(61)	1248(63)	1317(63)	1360(94)
2330(62)	760(63)	1119(71)	1249(94)	1318(63)	1361(96)
2339(63)	761(63)	1134(71)	1258(81)	1322(61)	1362(81)
2402(22)	777(62)	1135(96)	1266(73)	1324(19,97)	
2003 series	787(73)	1147(81)	1267(73)	1327(63)	
100(29)	801(72)	1167(83)	1275(97)	1329(63)	
167(95)	880(63)	1174(83)	1287(72,92)	1330(62)	
197(71)	895(62)	1175(83)	1293(97)	1331(22)	

The summary of all HYDROPACS in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

HYDROPAC WARNINGS issued from 311200Z July to 071100Z August 2003.

1322/03(61). INDIAN OCEAN.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ VICINITY
35-33.3S 058-59.6E. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC LA REUNION, TELEX: 916140,
PHONE: 2622 6243 4343, FAX: 2622 6271 1595.

(311910Z JUL 2003)

1323/03. CANCELED.

1324/03(19,97). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 39-19N 172-53E
AT 010820Z AUG. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC HONOLULU, TELEX: 392401,
PHONE: 808 541 2500, FAX: 808 541 2123.

(010920Z AUG 2003)

1325/03 and 1326/03. CANCELED.

1327/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

- HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY
05 AND 08 AUG IN AREA BOUND BY
09-57.7N 075-59.5E, 09-57.7N 076-14.2E,
09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
- CANCEL THIS MSG 081630Z AUG.

(011400Z AUG 2003)

1328/03. CANCELED.

1329/03(63). INDIA-SOUTHWEST COAST. ROCKETS.

- HAZARDOUS OPERATIONS 1330Z TO 1600Z DAILY 06 AND 07 AUG
WITHIN 75 MILES OF 08-31.9N 076-52.1E.
- CANCEL HYDROPAC 1240/03, AID RESTORED.
- CANCEL THIS MSG 071700Z AUG.

(020620Z AUG 2003)

1330/03(62). GULF OF SUEZ.

- AIDS TO NAVIGATION IN THE GULF OF SUEZ ARE REPORTED
UNRELIABLE. AIDS MAY BE MISSING, UNLIT OR OFF STATION.
VESSELS SHOULD NAVIGATE WITH PARTICULAR CAUTION.
MARINERS ARE REQUESTED TO SEND REPORTS TO NIMA
MARITIME SAFETY INFORMATION CENTER, FAX: 310 227 3175,
DSN FAX: 287 3175 OR E-MAIL: NAVNOTICES@NIMA.MIL.
- CANCEL HYDROPAC 828/02.

(020740Z AUG 2003)

1331/03(22). CHILE. GUNNERY.

1. GUNNERY EXERCISES 2200Z TO 0200Z COMMENCING
DAILY 08 AND 12 AUG AND 0900Z TO 1100Z
DAILY 09 AND 13 AUG IN AREA BETWEEN
36-13.0S 36-33.0S AND 073-27.0W 073-02.5W.
2. CANCEL HYDROPAC 1328/03.
3. CANCEL THIS MSG 131200Z AUG.

(020820Z AUG 2003)

1332/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 021100Z AUG 2003. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 1091(61), 1101(GEN), 1106(61), 1110(61),
1119(71), 1134(71), 1135(96), 1147(81), 1167(83), 1174(83),
1175(83), 1183(61), 1187(61), 1197(61,62), 1198(92), 1213(73),
1220(62), 1222(62), 1226(83), 1227(74), 1228(63), 1230(97),
1235(81), 1248(63), 1249(94), 1258(81), 1266(73), 1267(73),
1270(62), 1275(97), 1277(GEN), 1287(72,92), 1293(97),
1294(63), 1295(95), 1296(94,95), 1297(95), 1300(61), 1301(61),
1302(94,95), 1303(94,95), 1304(94,95), 1305(71), 1311(63),
1313(96), 1314(63), 1315(63), 1316(95,96), 1317(63), 1318(63),
1321(91), 1322(61), 1323(96), 1324(19,97), 1325(81), 1326(63),
1327(63), 1329(63), 1330(62), 1331(22).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF
12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS
ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED
IN NM 13/03.
3. CANCEL HYDROPAC 207/02, 649/03, 1027/03, 1036/03,
1047/03, 1057/03, 1063/03, 1286/03.

(021150Z AUG 2003)

1333/03(81). NORTH PACIFIC.

23 METER F/V CHAN CHENG CHUNG, WHITE HULL, NINE PERSONS
ON BOARD, UNREPORTED GUAM TO VICINITY 11-00N 145-00E.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO U.S. COAST GUARD GUAM.

(021210Z AUG 2003)

1334/03(61). INDIAN OCEAN.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN AREA BETWEEN
11-43S 11-37S AND 047-18E 046-38E. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC LA REUNION, TELEX: 916140,
PHONE: 2622 6243 4343, FAX: 2622 6271 1595.

(030031Z AUG 2003)

1335/03 thru 1338/03. CANCELED.

1339/03(83). ILES DE LA SOCIETE.

27 FOOT VESSEL, WHITE HULL WITH GREEN STRIPE,
UNREPORTED FROM HUAHINE ISLAND (16-45S 151-00W).
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO
MRCC PAPEETE, INMARSAT-C: 5824 2279 9192,
PHONE: 689 462 432, FAX: 689 423 915.

(040450Z AUG 2003)

1340/03(76). NEW ZEALAND. NORTH ISLAND-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 080400Z AUG BY
M/V TANGAROA IN AREA BOUND BY
39-24S 177-41E, 40-06S 177-31E,
39-58S 176-59E, 39-39S 177-13E,
39-29S 176-57E, 39-09S 177-13E.
ONE MILE BERTH REQUESTED.
2. CANCEL HYDROPAC 1337/03.
3. CANCEL THIS MSG 080500Z AUG.

(040650Z AUG 2003)

1341/03. CANCELED.

1342/03(21,83). EASTERN PACIFIC. ROCKETS.

1. HAZARDOUS OPERATIONS 080330Z TO 080600Z AUG
IN AREAS BETWEEN:
A. 00-10N 00-10S AND 153-20W 154-20W.
B. 00-12N 00-12S AND 146-12W 147-18W.
C. 00-18N 00-18S AND 144-48W 146-30W.
D. 00-24N 00-24S AND 109-30W 112-18W.
2. CANCEL THIS MSG 080700Z AUG.

(040750Z AUG 2003)

1343/03 thru 1345/03. CANCELED.

1346/03(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 04 AUG:
 - A. A-38A, 22 MILES BY 48 MILES IN 59-30S 046-18W.
 - B. A-38B, 22 MILES BY 25 MILES IN 57-42S 045-36W.
 - C. A-38D, TWO MILES BY TEN MILES IN 59-24S 045-12W.
 - D. A-43C, 24 MILES BY 41 MILES IN 57-42S 031-24W.
 - E. A-43I, TWO MILES BY 12 MILES IN 59-12S 035-48W.
 - F. A-48, NINE MILES BY TEN MILES IN 59-42S 046-42W.
 - G. A-50, ONE MILE BY TEN MILES IN 59-00S 050-30W.
2. CANCEL THIS MSG 12 AUG.

(050510Z AUG 2003)

1347/03 thru 1349/03. CANCELED.

1350/03(94). YELLOW SEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL 03 SEP
BY M/V TAMHAE 2 TOWING 1000 METER LONG CABLE
IN AREA BOUND BY 35-00N 122-53E,
35-00N 124-00E, 36-45N 124-00E,
36-00N 123-25E, 35-10N 122-56E.
2. CANCEL THIS MSG 04 SEP.

(051205Z AUG 2003)

1351/03(81). NORTH PACIFIC.

1. DISTRESS SIGNAL RECEIVED ON A 121.5 MHZ IN 19-19N 166-34E
AT 051627Z AUG. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC HONOLULU,
TELEX: 392401, PHONE: 808 541 2500, FAX: 808 541 2123.
2. CANCEL HYDROPAC 1341/03 AND 1343/03, SIGNALS CEASED.

(051722Z AUG 2003)

1352/03(83). SOUTH PACIFIC. GUNNERY.

1. GUNNERY EXERCISES 071930Z TO 072300Z AUG
IN AREA BOUND BY 17-13S 149-56W,
17-10S 149-35W, 16-42S 149-35W,
16-50S 149-54W.
2. CANCEL THIS MSG 080001Z AUG.

(060140Z AUG 2003)

1353/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 070230Z TO 070530Z AND
071230Z TO 071430Z AUG IN AREA BOUND BY
17-42.2N 083-18.6E, 17-42.1N 083-29.9E,
17-36.7N 083-28.5E, 17-32.7N 083-24.3E.
2. CANCEL HYDROPAC 1348/03(74).
3. CANCEL THIS MSG 071530Z AUG.

(060850Z AUG 2003)

1354/03 thru 1357/03. CANCELED.

1358/03(94,95). YELLOW SEA.

1. SEVEN METER F/V CAPSIZED AND ADRIFT IN
35-40.3N 124-18.0E AT 061840Z AUG.
2. CANCEL HYDROPAC 1356/03(81), FALSE ALERT.
3. CANCEL THIS MSG 14 AUG.

(070640Z AUG 2003)

1359/03. CANCELED.

1360/03(94). EAST CHINA SEA.

1. CABLE REPAIR OPERATIONS IN PROGRESS UNTIL
18 AUG BY CABLESHIP CABLE RETRIEVER
VICINITY OF TRACKLINE BETWEEN
25-31.8N 120-39.8E AND 25-40.0N 120-30.7E.
2. CANCEL THIS MSG 19 AUG.

(070910Z AUG 2003)

1361/03(96). KAMCHATKA-EAST COAST. MISSILES.

1. HAZARDOUS OPERATIONS 2300Z TO 0300Z COMMENCING
DAILY 12 AND 13 AUG IN AREA BOUND BY
52-30.0N 159-17.0E, 52-45.0N 159-17.0E,
52-45.0N 159-35.5E, 52-30.0N 159-35.5E.
2. CANCEL THIS MSG 140400Z AUG.

(071050Z AUG 2003)

1362/03(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 03-51.8N 155-51.2E
AT 070910Z AUG. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO U.S. COAST GUARD GUAM.

(071110Z AUG 2003)

MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NIMA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html), by referring to Section I (paragraph 50) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 7 August 2003: 00-7, 01-1, 01-7, 02-2, 02-5, 02-7 and 03-4.

SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NIMA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002 and in Notice to Mariners 14/03.

SPECIAL WARNINGS in force 7 August 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

MARINE INFORMATION**NEW EDITION OF COAST PILOT**

U.S. Coast Pilot 3, Atlantic Coast: Sandy Hook, New Jersey to Cape Henry, Virginia, Thirty-Sixth Edition, 2003, is ready for issue and may be obtained from:

Federal Aviation Administration
National Aeronautical Charting Office
Distribution Division, AVN-530
6303 Ivy Lane, Suite 400
Greenbelt, MD 20770-1479

and authorized sales agents of the National Ocean Service. Price \$26.00.

The 2003 Edition cancels the preceding 2002 Edition.

All corrections to the previous edition issued in Notice to Mariners are incorporated in this edition.

Mariners are encouraged to use the convenient "RECORD OF CHANGES" form on Page V of this book. All Coast Pilot changes published in the U.S. Coast Guard Local Notice to Mariners, National Imagery and Mapping Agency Notice to Mariners, and on the Internet at <http://critcorr.ncd.noaa.gov/> are serially numbered (i.e., Change No. 1, Change No. 2, etc.) to assist you in tracking the changes.

NEW EDITION OF COAST PILOT

U.S. Coast Pilot 4, Atlantic Coast, Cape Henry, Virginia to Key West, Florida, Thirty-Fifth Edition, 2003, is ready for issue and may be obtained from:

Federal Aviation Administration
National Aeronautical Charting Office
Distribution Division, AVN-530
6303 Ivy Lane, Suite 400
Greenbelt, MD 20770-1479

and authorized sales agents of the National Ocean Service. Price \$26.00.

The 2003 Edition cancels the preceding 2002 Edition.

All corrections to the previous edition issued in Notice to Mariners are incorporated in this edition.

Mariners are encouraged to use the convenient "RECORD OF CHANGES" form on Page V of this book. All Coast Pilot changes published in the U.S. Coast Guard Local Notice to Mariners, National Imagery and Mapping Agency Notice to Mariners, and on the Internet at <http://critcorr.ncd.noaa.gov/> are serially numbered (i.e., Change No. 1, Change No. 2, etc.) to assist you in tracking the changes.

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

Observer: name(s) of person(s) making observation and rank, rate or title.

Ship/Organization: name of vessel or organization.

Address: complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

Date of Observation: day, month and year at which the observation was made.

Time of Observation: local time at which the observation was made.

Latitude/Longitude: exact position of the observation expressed as accurately as possible.

Datum: horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

Navigation System: method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

Verified by Navigator: indicate whether observation was verified by navigator.

Product(s) Affected: product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

Edition: edition number and/or year of affected product.

Latest correction applied: the latest Notice to Mariners to which your copy of affected product has been corrected.

Sounding sensor or method used: equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

Soundings corrected for draft: indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

Details of Information Reported: use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NIMA to update our records and obtain additional or later information.

User Feedback: use this space to provide feedback and suggestions for improving NIMA's products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

Due to the large volume of information received, NIMA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of NIMA's Bathymetric Data Base. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

Email address _____

Date of Observation _____ Time of Observation (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

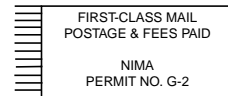
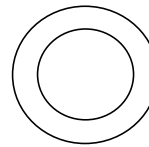
Sounding sensor or method used _____ Sounding(s) corrected for draft: Yes ____ No ____

Details of Information Reported (continue on additional sheets as necessary) _____

User Feedback (continue on additional sheets as necessary)



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ST D44
NATIONAL IMAGERY AND MAPPING AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**



ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer _____

Ship/Organization _____

Phone _____ Email Address _____

Describe Hazard (e.g. dredge, buoy, current meter, operations): _____

Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): _____

Date of Insertion _____ Date of Removal _____

If observed, Date _____ Time (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

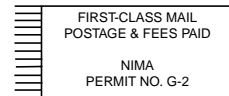
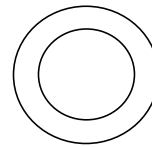
Sounding sensor or method used _____

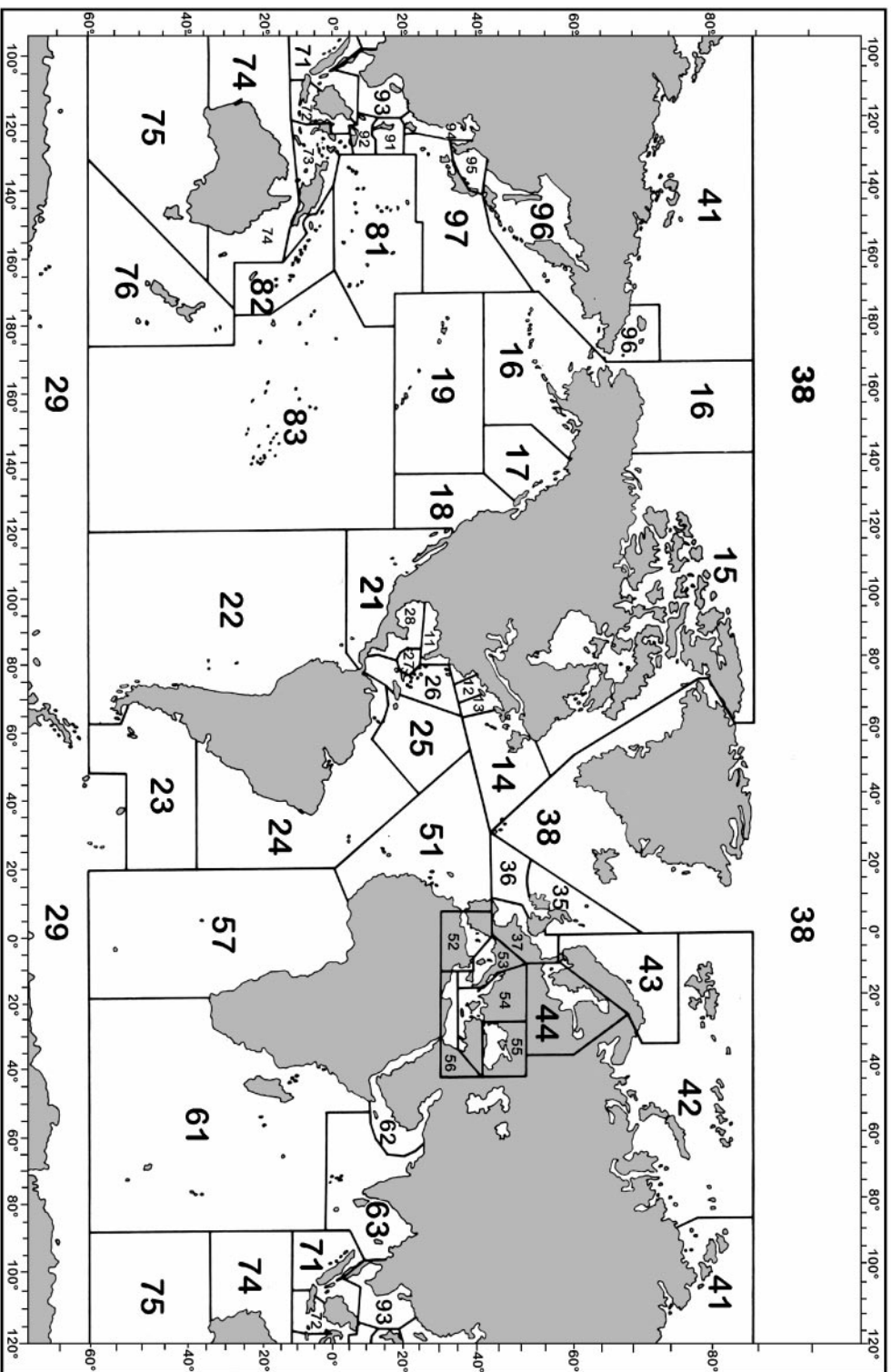
Sounding(s) corrected for draft: Yes _____ No _____

Details of Information Reported (continue on additional sheets as necessary): _____



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GEOGRAPHIC LOCATOR

For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NIMA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume I. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Sub-region number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

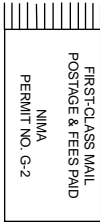
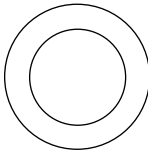
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